ENGLISH
P17329C
JUNE 2010

OPERATORS MANUAL
& PARTS LIST

X-PRESS

SIMBA
Great Plains

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DECLARATION OF CONFORMITY

Simba International Limited hereby declare that the **Simba X-Press**, as defined by the Serial Number attached to the Machine Chassis, conforms with the following Directives and Regulations, and has been certified accordingly.

EC Machinery Directive 2006/42/EC.

The Supply of Machinery (Safety) Regulations 2008.

The Provision and Use of Work Equipment Regulations 1998.

Specifically related harmonised standards are:

EN ISO 12100-1: 2003 (Safety of Machinery).

EN ISO 12100-2: 2003 (Safety of Machinery).

EN ISO 4254-1: 2005 (Agricultural machinery - Safety).

THE MANUFACTURER:

Simba International Limited
Woodbridge Road
SLEAFORD
Lincolnshire
NG34 7EW
England

Telephone (+44) (0)1529 304654.

CERTIFIED ON BEHALF OF SIMBA INTERNATIONAL LIMITED:

Guy Leversha

Managing Director

CE

WARRANTY

TERMS AND CONDITIONS

In this warranty Simba International Ltd., is referred to as “the Company”.

1. Subject to the provisions of this warranty the Company warrants each new machine sold by it to be sold free from any defect in material or workmanship for a period of 12 months from date of installation with the end-user.

   Some specific items have additional warranty over and above the standard 12 months. Details of these can be obtained upon request directly from the distributor or Simba International Ltd.

2. If the machine or part thereof supplied by the Company is not in accordance with the warranty given in clause 1 the Company will at its option:

   (a) make good the machine or part thereof at the Company’s expense, or
   (b) make an allowance to the purchaser against the purchase price of the machine or part thereof, or
   (c) accept the return of the machine and at the buyers option either:
      I) repay or allow the buyer the invoice price of the machine or part thereof, or
      II) replace the machine or part thereof as is reasonably practical.

3. This warranty shall not oblige the Company to make any payment in respect of loss of profit or other consequential loss or contingent liability of the Purchaser alleged to arise from any defect in the machine or impose any liability on the Company other than that contained in clause 2.

4. Any claim under this warranty must be notified to the Company in writing specifying the matters complained of within 14 days from the date of repair.

5. Any claim under this warranty must be made by the original purchaser of the machine and is not assignable to any third party.

6. If the purchaser hires out the machine to any third party the warranty shall apply only to matters notified to the Company in writing within 90 days of the date of delivery and clause 1 shall be read as if the period of 90 days were substituted for the period of 12 months.

7. The warranty will cease to apply if:

(a) any parts not made, supplied or approved in writing by the Company are fitted to the machine or
(b) any repair is carried out to the machine other than by or with the express written approval of the Company or
(c) any alterations not expressly authorized by the Company in writing are made to the machine or
(d) the machine is damaged by accident or
(e) the machine is abused or overloaded or used for a purpose or load beyond its design capabilities, or used in conjunction with a tractor whose power output capability exceeds the stated implement power requirement by more than 40%. For the purpose of these terms and conditions, “stated implement power requirement” refers to wheeled tractors unless specifically stated. These power requirements should be reduced by 20% when used in conjunction with tracked tractors.
(f) the machine is operated as part of a ‘cultivation train’ where more than one implement is being towed, without the express written approval of Simba International Ltd.
(g) any maintenance is not carried out in accordance with the service schedules in the operator’s manual.
(h) the Installation and Warranty Registration Certificate is not received by Simba International Ltd., Service Dept., Woodbridge Road, Sleaford, Lincolnshire, England, NG34 7EW, within 7 days of installing a new machine.

Machine Identification

Enter the relevant data in the following list upon acceptance of the machine:

Serial Number	
Type of Machine	
Machine Width	
Year of Construction	
Delivery Date	
First Operation	
Accessories	

Operating Instructions/Spare Parts List: June 2010

Dealer Address:

Name: _____

Street: _____

Place: _____

Tel.: _____

Dealer's Customer No.: _____

SIMBA Address:

SIMBA
Woodbridge Road Ind. Est.
Sleaford
Lincolnshire
NG34 7EW

Tel.: +44 (0) 1529 304654
Fax: +44 (0) 1529 413468
E-Mail: simba.international@simba.co.uk

SIMBA Customer No.: _____

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Introduction

Foreword

Make sure you have read and follow the Operating Instructions carefully before using the machine. By doing so, you will avoid accidents, reduce repair costs and downtime and increase the reliability and service life of your machine. Pay attention to the safety instructions!

SIMBA will not accept any responsibility for any damage or malfunctions resulting from failure to comply with the Operating Instructions.

These Operating Instructions will assist you in getting to know your machine and in using it correctly for its intended purposes. First, you are given general instructions in handling the machine. This is followed by sections on servicing, maintenance and the action to be taken should a malfunction occur.

These operating instructions are to be read and followed by all persons working on or with the machine, e.g.:

- Operation (including preparation, remedying of faults in the operating sequence and servicing).
- Maintenance (maintenance and inspection)
- Transportation.

Together with the Operating Instructions, you receive a Spare Parts List and a Machine Registration form. Field service technicians will instruct you in the operation and servicing of your machine. Following this, the Machine Registration form is to be returned to your dealer. This confirms your formal acceptance of the machine. The warranty period begins on the date of delivery.

We reserve the right to alter illustrations as well as technical data and weights contained in these Operating Instructions for the purpose of improving the machine.

Warranty Guidelines

The period of liability for material defects (warranty) relating to our products is 12 months**.** In the case of written deviations from the statutory provisions, these agreements shall apply.

They shall become effective upon installation of the machine with the end customer. All wear parts are excluded from the warranty.

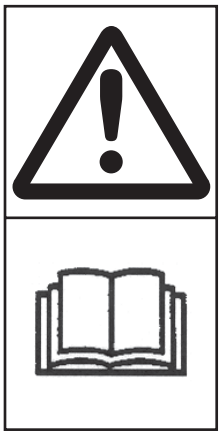
All warranty claims must be submitted to SIMBA via your dealer.

1. Safety Data

The following warnings and safety instructions apply to all sections of these Operating Instructions.

1.1 Safety Symbols

On the machine



Read and observe the Operating Instructions before starting up the machine!

Watch out for escaping pressurised fluids! Follow the instructions in the Operating Instructions!

Never reach into areas where there is a danger of being crushed by moving parts!

Parts may fly off during operation. Keep a safe distance away from the machine!

Keep clear of the working range of foldable machine components!

No passengers are allowed on the machine!

Never reach into any revolving parts!

Refer to Operating Instructions before attempting maintenance.

Operating Instructions:

The Operating Instructions distinguish between three different types of warning and safety instructions. The following graphic symbols are used:

Important!

Risk of injury!

Risk of fatal and serious injuries!

It is important that all the safety instructions contained in these Operating Instructions and all the warning signs on the machine are read carefully.

Ensure that the warning signs are legible. Replace any signs that are missing or damaged.

These instructions must be followed in order to prevent accidents. Inform other users of the warnings and safety instructions.

Do not carry out any operations which may affect safe use of the machine.

All references to left and right in this manual are made from the rear of the machine, facing the direction of travel (unless otherwise stated).

1.2 Use for the Intended Purpose

The SIMBA X-Press is built using the latest technology and in accordance with the relevant recognised safety regulations. However, risks of injury for the operator or third parties and impairment of the machine or other tangible assets can arise during use.

The machine is only to be operated when in a technically perfect condition and for the intended purpose, taking into consideration safety and risks and following the Operating Instructions. In particular, faults that can impair safety are to be remedied immediately.

Original parts and accessories from SIMBA have been specially designed for this machine. Spare parts and accessories not supplied by us have not been tested or authorised. Installation or use of non-original SIMBA products may have a detrimental effect on specific design features of the machine and affect the safety of machine operators and the machine itself. SIMBA will accept no liability for damage resulting from the use of non-original parts or accessories.

The SIMBA X-Press is designed solely as a cultivation implement. Use for any other purpose, e.g., as a means of transport, will be deemed to be improper use. SIMBA will accept no liability for damage resulting from improper use. The risk will be borne solely by the operator.

Use of the X-Press behind high power tractors (in excess of 40% above the maximum recommended) can lead to high loads and stresses which can cause long term structural damage to the chassis and key components. Such overloading can compromise safety and is to be avoided.

1.3 Operational Safety

The machine is to be put in operation only after instruction has been provided by an employee of the authorised dealer or an employee of SIMBA. The “Machine Registration” form is to be completed and returned to your dealer.

All protective and safety equipment, such as removable protective equipment, must be in place and functioning reliably before the machine is put in use.

☞ Check screws and bolts regularly for tightness and retighten if necessary.

☞ In the event of malfunctions, stop and secure the machine immediately.

☞ Ensure that any faults are remedied immediately.

1.4 No Liability for Consequential Damage

The X-Press has been manufactured by SIMBA with great care. However, problems may still occur when it is used for the intended purpose. These may include:

- Worn wearing parts.
- Damage caused by external factors.
- Incorrect driving speeds.
- Incorrect setting of the unit (incorrect attachment, non-adherence to the Setting instructions).

☞ Therefore, it is crucial to always check your machine before and during operation for correct operation and adequate application accuracy.

Compensation claims for damage which has not occurred to the machine is excluded. This includes any consequential damage resulting from incorrect operation.

1.5 Road Traffic Safety

When driving on public roads, tracks and areas, it is important to observe the relevant road traffic laws as well as the specific regulations relating to this machine.

Pay attention to the permitted axle loads, tyre carrying capacity, and total weight in order to maintain adequate braking and steerability (these figures are shown on the serial plate).

Passengers on the machine are strictly forbidden!

Max. road transport speed 16mph (25km/h).

1.6 Accident Prevention

In addition to the Operating Instructions, it is important to observe the accident prevention regulations specified by agricultural trade associations. It is the Operator's responsibility to ensure that all other persons are excluded from the danger zones surrounding or on the machine during its operation.

It is the Owner's responsibility to ensure:

• the Operator is trained and competent to use the machine & tractor,
• the tractor is suitable for the machine
• adequate Risk and COSHH assessments have been undertaken regarding the machine's use. Specifically, these include issues concerning contact with the soil, dust, crop residues, chemicals, lubricants and other compounds during operation or maintenance, and the possibility of stones being ejected at high speed during work.

Beware of trapping hazards when manipulating the parking stands or other moving parts. Ensure any heavy components are fully supported when removing pins / bolts.

1.6.1 Hitching-up the machine

There is a risk of injury when hitching/ unhitching the machine. Observe the following:

- Secure the machine against rolling.
- Take special care when reversing the tractor!
- There is a risk of being crushed between the machine and the tractor!
- Park the machine on firm, level ground.

1.6.2 On the Hydraulic System

Do not connect the hydraulic lines to the tractor until both hydraulic systems (machine and tractor) are depressurised.

Any hydraulic system containing an accumulator can remain under pressure permanently (even after following manual depressurisation procedures with a tractor / implement combination). It is therefore important to check all lines, pipes, and screw connections regularly for leaks and any recognisable external damage.

The hydraulic circuit contains specialised fittings which should not be tampered with under any circumstances. Do not attempt to modify hose routings or hose clamping arrangements, doing so my cause serious damage to the machine and/or injury.

Only use appropriate aids when checking for leaks. Repair any damage immediately. Spurting oil can cause injuries and fires!

In case of injury, contact a doctor immediately.

The socket and plugs for the hydraulic connections between the tractor and the machine should be colour-coded in order to avoid incorrect use.

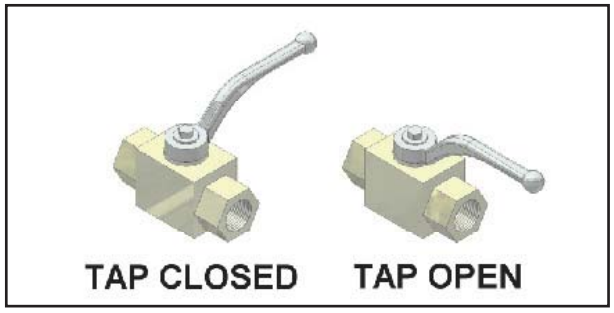


Fig. 1.01: HydraulicTaps

1.6.3 Changing Equipment

- Secure the machine to prevent it from accidentally rolling away!
- Use suitable supports to secure any raised frame sections suspended above you!
- Caution! Risk of injury due to projecting parts!

Never climb on to rotating parts such as the roll unit. These parts may rotate causing you to slip and suffer serious injury!

Removing components during maintenance may affect the stability of the machine. Ensure it is fully supported in case of unexpected weight shifts.

1.6.4 During Operation

Ensure that the working range and the area around the machine are clear (children!) before operating the machine.

Always ensure adequate visibility!

Do not stand on the machine while it is in operation!

Operators must have a valid driving licence in order to drive on public roads. In the operating area, the operator is responsible for third parties.

The person in charge must:

• provide the operator with a copy of the Operating Instructions, and

• ensure that the operator has read and understood the instructions.

• make sure that the operator is aware of the specific regulations relating to the machine when driving on public roads.

1.7 Servicing & Maintenance

Ensure that regular checks and inspections are always carried out within the periods required by law or specified in these Operating Instructions.

When carrying out service and maintenance work always:

- switch off the tractor engine and remove the ignition key.
- wait until all the machine parts have stopped moving.
- depressurise the hydraulic system.

Many hydraulic circuits contain lock or overcentre valves which can retain pressure in the lines even after depressurising the tractor side of these circuits. If in doubt, consult trained personnel (such as your local Simba Dealer) to ensure such valves are depressurised to the correct procedure before removing or servicing any parts connected downstream of these valves.

Check all hydraulic lines for leaks, loose connections, chafe marks and damage. Remedy any deficiencies immediately! Pay particular attention to hose renewal intervals as outlined in the specific sections which follow. ALL hydraulic hoses have a safe maximum working life of 6 (SIX) years from date of installation, provided they remain in a safe condition. Hoses which exceed 6 years of age should be replaced, or inspected and certified by a suitably qualified person to have an extended life period which should be recorded.

Pay particular attention to those items which require specialist service tools or training to be carried out by qualified personnel. Do not attempt to service these items yourself! These include items retaining pressure (e.g. accumulator circuits), or force (e.g. spring tines), and DD Rolls of any type.

Prior to performing maintenance and servicing work, ensure that the machine is positioned on solid, level ground and is secured to prevent it rolling away. Do not use any parts to climb on to the machine unless they are specifically designed for this purpose.

Before cleaning the machine with water, steam jets (high-pressure cleaning apparatus) or other cleaning agents, cover all openings into which, for reasons of safety or operation, no water, steam or cleaning agents are to penetrate (bearings, for instance).

Lubricate all the lubricating points to force out any trapped water.

When carrying out servicing and maintenance work, retighten any loose screw connections.

When servicing the machine take precautions against soil, dust, seed coatings, oil or any other hazardous substances that you might encounter.

On a new machine tighten all nuts and bolts after 5 hours work and again after 15 hours. This also applies to parts that have been moved or replaced. After the initial 15 hours of work a once a week check should be sufficient depending on daily work rates.

1.8 Operating Areas

The operating areas include the drawbar, hydraulic connections and depth adjustment equipment as well as all operating points requiring maintenance.

All operating areas will be specified and described in detail in the following chapters on servicing and maintenance.

Observe all safety regulations included in the section dealing with Safety, and in the subsequent sections.

1.9 Authorised Operators

Only those persons who have been authorised and instructed by the operator may operate the machine. The operator must be at least 16 years of age.

1.10 Protective Equipment

For operation and maintenance, you require:

• Tight fitting clothing.

• Strong protective gloves (to provide protection against sharp-edged machine components).

• Protective goggles (to stop dirt getting into your eyes).

2. Transportation and Installation

Transportation and initial installation of the machine are described in this chapter.

2.1 Delivery

The machine is normally delivered fully assembled.

- The machine can be lifted off with a crane or other suitable lifting equipment.
- The machine should be hitched to a tractor and driven off a low-loader.

2.2 Transportation

The X-Press can be transported on public roads by hitching it up to a tractor or on a low-loader.

- It is important to observe the permitted dimensions and weights when transporting the machine.
- If the machine is transported on a trailer or a low-loader, it must be secured using straps or other devices.
- Before transporting the machine on public roads, it must be adjusted to its transportation position and the stipulations relating to road transportation fulfilled.
- The maximum permissible speed is 25km/h.

2.3 Installation

When carrying out installation and maintenance work there is a higher risk of injury. It is important that you familiarise yourself with the machine and read the Operating Instructions beforehand.

Operator instruction and initial installation of the machine are carried out by our service technicians or authorised distributors.

The machine must not be used in any way beforehand! The machine can only be released for operation after instructions have been provided by our service technicians or authorised distributors.

- If any modules or parts have been removed for transportation, these shall be mounted by our service technicians/ authorised dealers before the instruction takes place.
- Check all important screw connections!
- Lubricate all nipples and joints!
- Check all hydraulic connections and lines for damage.

2.4 Hitching Up

2.4.1 Hitching up a Tractor to the X-Press / Preparing for Transport

When hitching-up the machine, ensure that no-one is between the tractor and the machine.

Tractor Oil Flow Adjustment: As a general rule the tractor oil flow rate should be set in the lowest setting before starting. This can then be increased to allow the desired rate of operation as applicable. This will minimise excessive oil flow and consequent power usage and heat generation.

1. Ensure the tractor hydraulics are depressurised and in the locked or closed (not float) setting.

2. Couple the hydraulic hoses to the tractor ensuring that the two wing hoses (yellow) are together (4m Folding model only)

3. Connect the tractor to the machine using the hydraulics to raise or lower the the height of the tractor lower link arms.

4. When the lower link arms are aligned fit the lower link pins and the lynch pins.

5. Fit the tractor toplink between the tractor and the machine.

6. Raise the machine using the tractor link arms.

On 4m Folding models if the machine was parked unfolded ensure that it is fully raised, then fold using the wing cylinders.

2.5 When driving on the road

When driving on the road the machine must be converted to the transportation position.

When driving on the road, raise the machine completely to prevent the working elements dragging on the ground.

On 2.5m-4m Rigid models ensure that the tractor rear lights are visible from behind during transport.

2.6 Parking the machine

In order to avoid damage as a result of moisture, the machine should be parked, if possible, indoors or under cover.

When manoeuvring the machine, pay attention to your surroundings. Ensure that nobody is in the manoeuvring area (watch for children!).

- Park the machine on level and solid ground.
- Lower the machine onto the parking stands ensuring that it is stable (4m Folding models only). On 2.5m-4m Rigid models, lower the machine onto the disc units.
- Remove the toplink and lower the link arms so that pins can be removed.
- Switch off the tractor.
- Disconnect hydraulic and electric lines from the tractor (4m Folding models only).

3. Technical Data X-Press

	2.5m	3.0m	3.5m	4.0m	4.0m F/W
Working Width	2400mm	2800mm	3300mm	4000mm	4000mm
Transport Width	2480mm	2985mm	3485mm	4040mm	2950mm
Transport Height	N/A	N/A	N/A	N/A	2650mm
Transport Length	2650mm	2650mm	2650mm	2650mm	2640mm
Weight	1525kg	1750kg	2125kg	2440kg	2920kg
Centre of Gravity*	1324mm	1324mm	1324mm	1324mm	1205mm
Tractor Power Req.**	60-80hp	80-100hp	100-120hp	110-140hp	125-150hp

* Dimension from linkage in transport position.
** It is important to correctly match your implement to your tractor for optimum performance.

4. Adjustment/Operation
4.1 Description

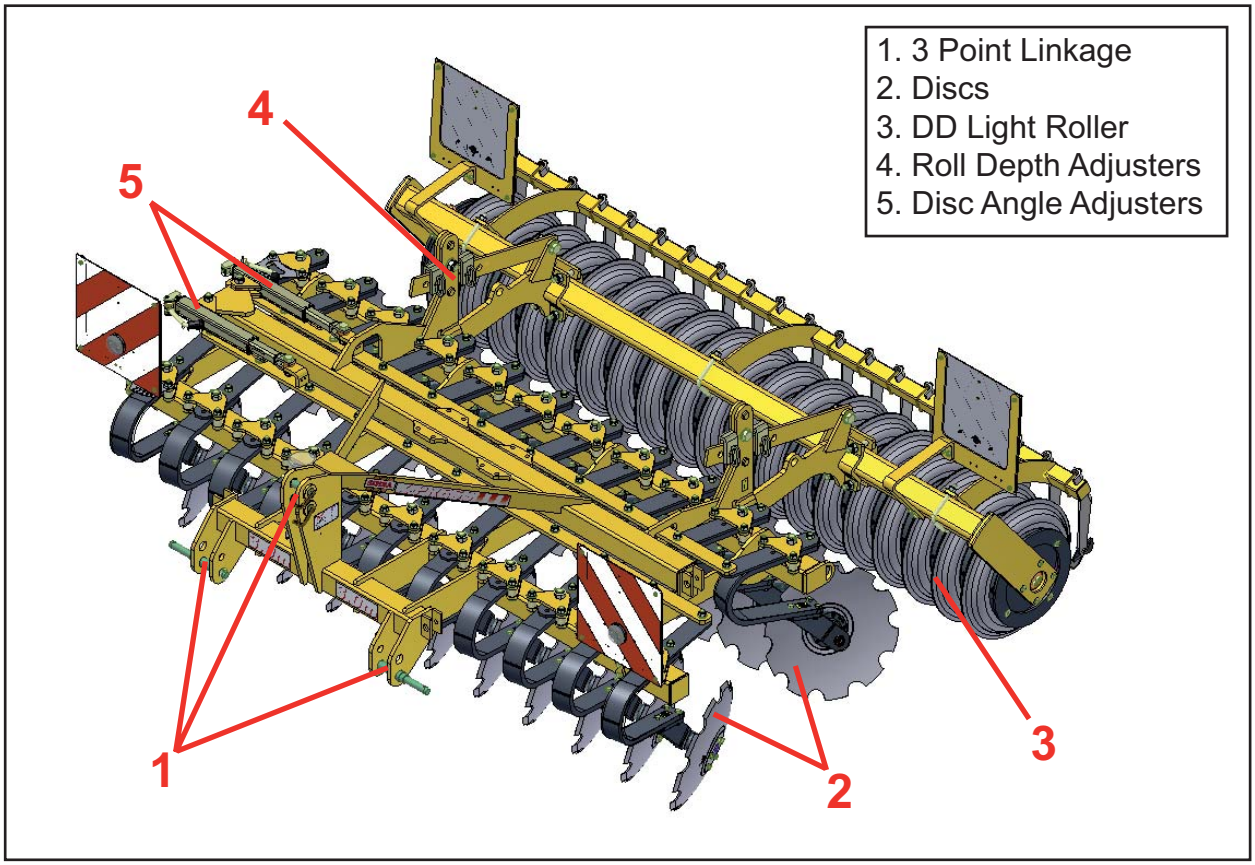


Fig. 4.01: Simba Mounted X-Press - Rigid

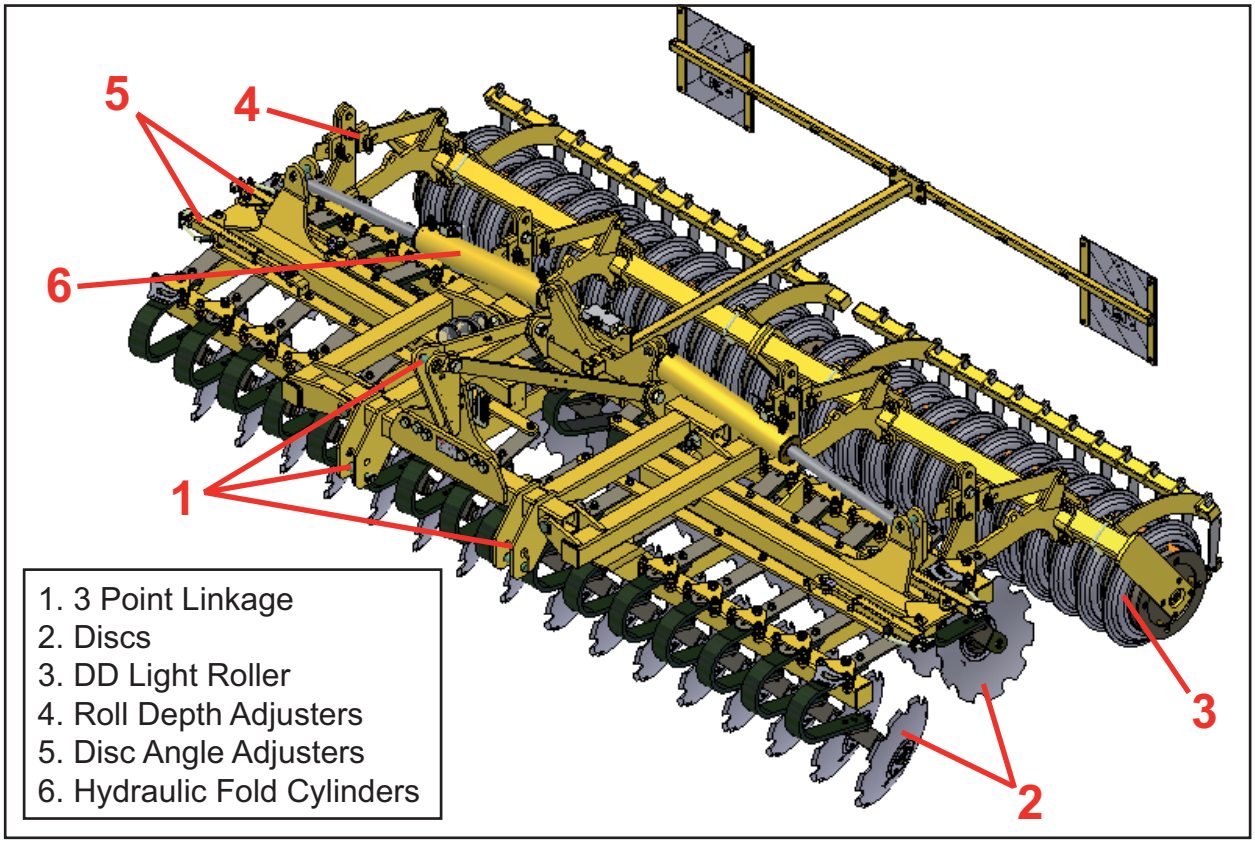


Fig. 4.02: Simba Mounted X-Press - Folding

The SIMBA X-Press is a versatile implement designed to perform an excellent shallow cultivation combined with effective consolidation.

It can be used in reduced tillage systems to incorporate stubble or to work down ploughing on lighter soil types. Like all Simba machines it features the latest innovations which combine to give an efficient, well-built unit with unrivalled reliability.

Consolidation is key to most operations. The design of the X-Press ensures that this is not compromised during use. This is because the penetration of the front discs is achieved by angling the disc gangs and not by transferring weight from the rear roller onto the discs. The in line rear roller ensures uniform consolidation is achieved across the field.

The X-Press can operate in situations where high levels of surface trash exist. This is possible because of the massive clearance within the machine. The front and rear disc gangs are 830mm apart and the distance between the rear gang and the DD roller is another 240mm.

The X-Press is designed for high speed operation at 8-l2kph. The in-built weight of around 600kg per metre ensures that the desired depth is maintained at the optimal forward speed.

The DD Light roller gives an even consolidation across the full machine width giving a fine, firmed finish from the 150mm DD spacing.

4.2 3 Point Linkage

The standard Category 3 linkage at the front of the X-Press also has the ability to fit Category 2 tractor linkages by reversing the upper and lower link pins in their respective positions.

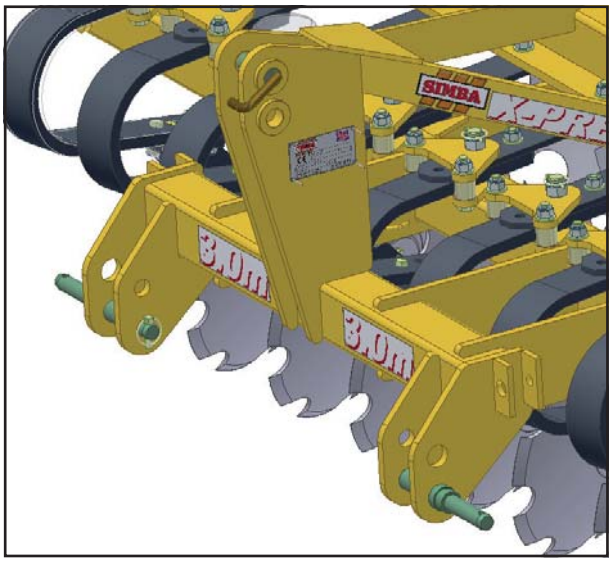


Fig. 4.03: 3 Point Linkage

4.3 Disc Units

The X-Press features two rows of discs which chop and mix the crop residue. A disc spacing of 250mm ensures a fine tilth.

The discs fitted to the X-Press are 500mm in diameter (20”) and 6mm thick. They are manufactured from heat treated chrome boron steel which ensures excellent wear resistance and enhanced working life. Each disc is mounted on a Pro-Active sprung leaf linked to a track rod system. Gang angles can be varied with ease and accuracy using a graduated adjuster.

Adjustable angling of the discs (between 10°-25°) ensures penetration and stubble mixing are achieved in one pass. Working depth can be varied via the 3 point linkage and the rear roll linkage.

A level, evenly cultivated finish is maintained by adjusting the balance of soil throw between the front and rear disc.

Sprung Pro-Active leaves offer protection against damage as well as offering a degree of contour following as they flex up and down in work.

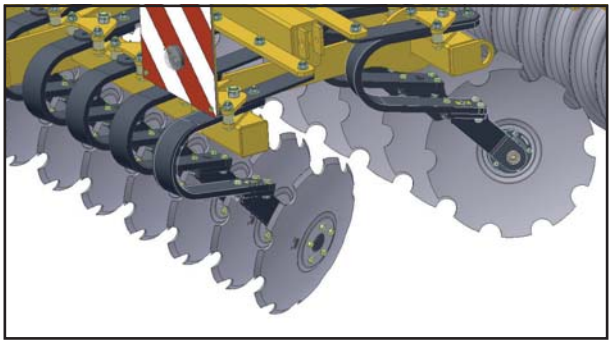


Fig. 4.04: Discs

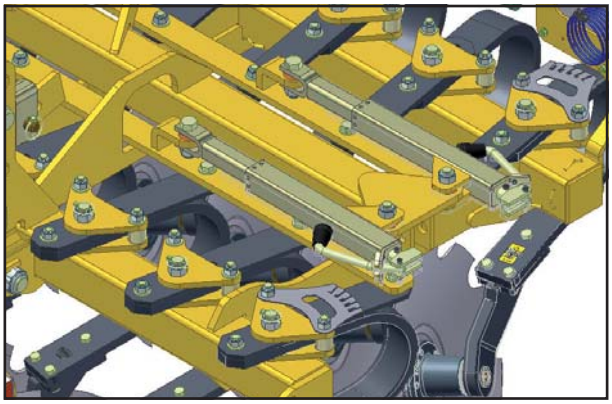


Fig. 4.05: Disc Angle Adjustment Jacks

4.4 DD Light Roller

The DD Light roller is made up of individual Double Disc (patented) Ring segments.

The DD Light roll is designed to consolidate the soil whilst cutting and crushing any clods.

Even in heavy, wet soils it can easily be operated with minimal blockages occurring.

The rear DD Light roller carries a proportion of the machine's weight to ensure consolidation. It also regulates the depth of the disc units. The corrugated surface left by the roller is weatherproof both for wet or dry situations.

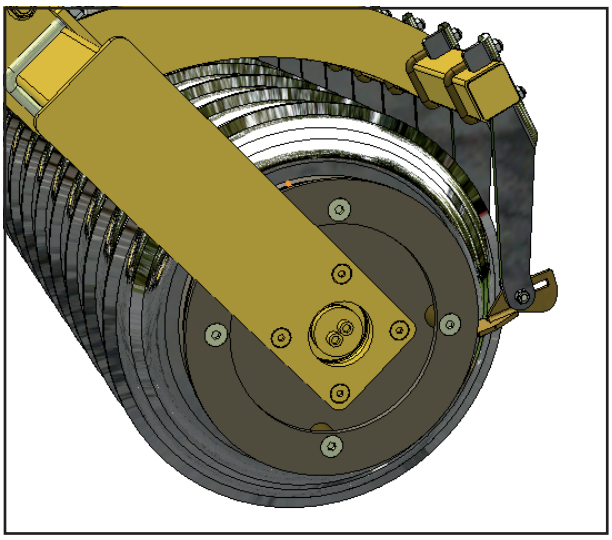


Fig. 4.06: DD Light Roller

4.5 Aqueel 2 Roller

The Aqueel 2 is a rubber, specialist self-cleaning tyre which leaves a patterned surface profile consisting of conical indentations. This is designed to combat surface water movement and wind erosion in the field. The benefit of Aqueeled ground (reservoir tillage) is gained on light, easy working soils that can slump or compact.

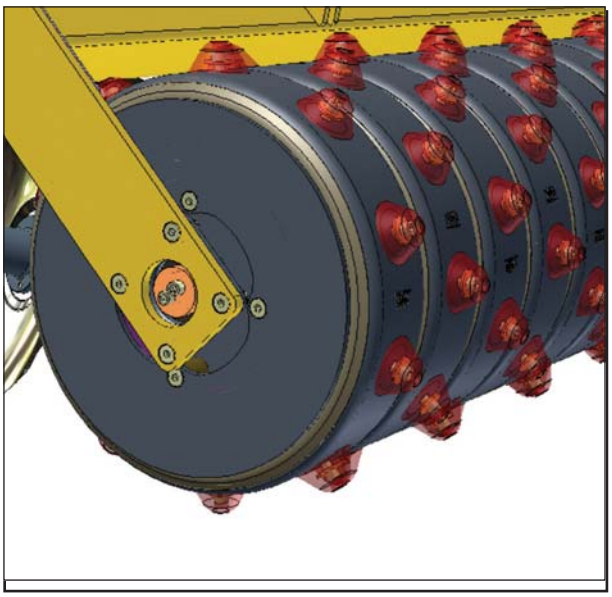


Fig. 4.07: Aqueel 2 Roller

4.6 Work Settings

Optimum performance has been found to be achieved when the DD Light roll rings have worn away the painted finish leaving a smooth shiny surface. When the DD Light rings are new or rusty, soil may tend to pick up on the surface and blockage may occur, this will reduce when the rings are shiny again.

The X-Press should be run with the chassis level to slightly tail low. In practice it is possible to use the X-Press on ground conditions that are unsuitable to achieve the desired effect, and it is usually possible to operate the DD Light roll without regular blockage under such unsuitable conditions, assuming that the roll assemblies are tight, the scrapers correctly adjusted and rings smooth. As such, especially under wet conditions, it is advisable to check on the cultivation effect of the X-Press.

The mounted X-Press should be lifted fully clear of the ground for all headland turns. Turning with the disc units or roller on the ground could lead to damage of these components.

In work, the tractor lower link arms may be run in float in order to allow the machine to follow undulations in the soil.

General Rules when Setting the X-Press

- The lighter the land conditions the less the disc angle required and the forward speed can be increased.
- The wetter the land conditions the less the disc angle required and the forward speed will need to be decreased.
- Heavier land will require more of a disc angle and a slower forward speed.
- The more the trash the less the angle on the discs and forward speed will have to be decreased.
- On ploughed land reduce the disc angle to give a cutting/chopping action.
- In hard conditions increase the disc angle to increase penetration.

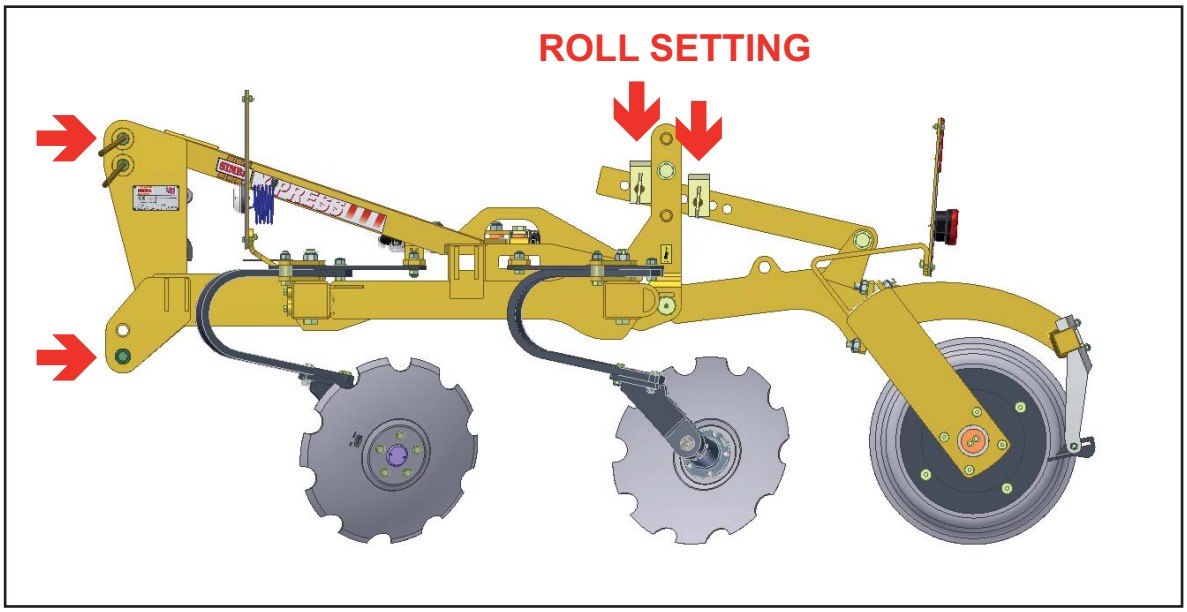
Disc Angle Setting

4.7 Starting Settings

This page details the recommended starting settings for the X-Press. These settings can then be used as a base for further adjustment in order to get the optimum performance from your machine.

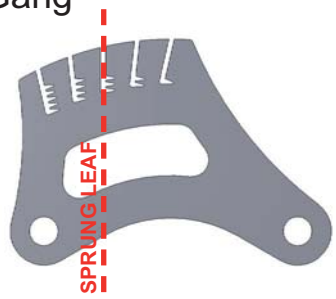
3 Point Linkage / DD Light Roller

The machine should be set to run level front to rear and left to right.

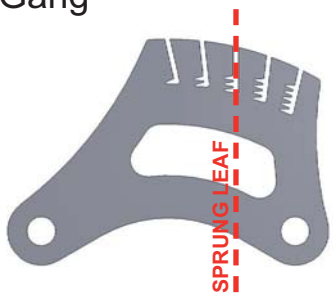


Disc Angle Adjustment Jacks

Front Gang



Rear Gang



4.6.1 Variation of Settings

If working conditions change (for example, from dry to wet conditions) then the following table should be consulted as a rough guide.

VARIATION IN CONDITION	SETTING REVISION
FROM HARD/DRY TO LOOSE/WET	REDUCE DISC ANGLE REDUCE CHASSIS PITCH
FROM STUBBLES TO HIGHER TRASH (TO INCREASE INCORPORATION)	INCREASE DISC ANGLE REDUCE SPEED INCREASE CHASSIS PITCH
FROM SHALLOW TO DEEP (NOTE 75-100mm MAX WORKING DEPTH)	MOVE PINS ON ROLL LINKAGE REDUCE SPEED INCREASE DISC ANGLE

4.8 Adjusting Depth

To change the working depth it is advisable to lift the machine clear of the ground so that the rear roll linkage becomes loose. Move the position of the depth stop and/or pin to change the depth. Reversing the depth stop through 180° and refitting gives a finer depth adjustment.

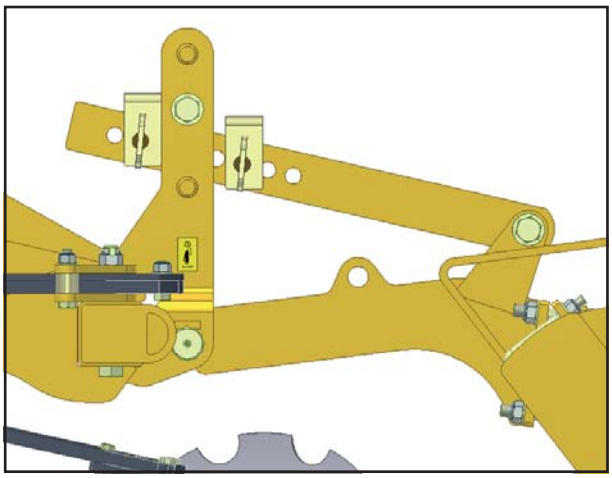


Fig. 4.08: Roll Linkage

When the depth has been altered, lower the machine into work and check operation. If the depth change has been significant then other setting could be affected. This could be chassis pitch (front to rear) and disc angle for the given depth.

A small amount of cultivation, eg. a 20 metre run, should be carried out before altering these settings to check whether they are now suitable for the cultivation effect required. These settings should be addressed immediately to prevent too much work being carried out.

4.9 Work Instructions

Driving speed

The X-Press can be driven at speeds of up to 12 km/h.

This depends on the field conditions (type of soil, surface trash, etc.).

Drive more slowly if the conditions are difficult or a firmer finish is required.

Turning:

Before turning, the machine should be lifted out of work while driving. Likewise, it should lowered back into work once the turn has been completed.

4.10 Parking the machine

In order to avoid damage as a result of moisture, the machine should be parked, if possible, indoors or under cover.

When manoeuvring the machine, pay attention to your surroundings. Ensure that nobody is in the manoeuvring area (watch for children!).

- Park the machine on level and solid ground.
- Lower the machine onto the parking stands ensuring that it is stable (4m Folding models only). On Rigid models, lower the machine onto the disc units.
- Remove the toplink and lower the link arms so that pins can be removed.
- Switch off the tractor.
- Disconnect hydraulic and electric lines from the tractor (hydraulics on 4m Folding models only).

4.11 Checks

The working quality depends on the adjustments and checks made prior to and during work, as well as on regular servicing and maintenance of the machine.

Before beginning work it is therefore important to carry out any necessary servicing and to lubricate the machine as required.

Checks prior to, and during work:

• Is the machine correctly hitched up and the coupling device locked?
• Have the hydraulic lines been connected according to the colour coding?
• Is the machine in a level operating position and the working depth set correctly?

Working Elements

• Are the discs and other cultivation tools in a serviceable condition?
• Are the scrapers still operable, so that the rolls do not jam?

5. Servicing and Maintenance

Follow the safety instructions for servicing and maintenance.

5.1 Servicing

Your machine has been designed and constructed for maximum performance, operational efficiency and operator friendliness under a wide variety of operating conditions.

Prior to delivery, your machine has been checked at the factory and by your authorised dealer to ensure that you receive a machine in optimum condition.

To ensure trouble-free operation, it is important that servicing and maintenance work is performed at the recommended intervals.

5.2 Cleaning

In order to ensure that the machine is always in operating condition and to achieve optimum performance, perform the cleaning and servicing work at regular intervals.

Avoid cleaning the roll / disc bearings with a high- pressure hose or a direct water jet. The housing, screwed connections and ball bearings are not watertight.

5.3 Disc Hub Maintenance

Grease every disc hub until grease shows from the seals according to the lubricating intervals outlined in Section 5.8.

Check disc hubs regularly for tightness.

Regularly examine hub caps, seals, shear and pivot bolts and all tracking bolts for tightness and effectiveness twice weekly or every 50 working hours (whichever is more frequent).

5.3.1 Tightening Disc Hubs

1 Ensure that the bearing seal is in the correct orientation when replacing / assembling components.

2 Ensure that the stub axle is free from dirt and the nut and outer bearing can easily slide on it.

3 Tighten the crown nut with a hand spanner (a torque wrench is not required) while turning the hub clockwise until the bearing drags slightly (you feel the hub turning heavily). Some resistance will be due to friction from the seal.

4 Turn back the crown nut to the next locking position. Even if the tightening of the nut has reached an exact fixing position, turn it back.

5 Insert the retaining pin.

6 Try to shake/rock the outer edge of the hub/spindle: play of 0.1 / 0.2mm will not reduce the bearings' life and, in addition, prevents overheating. If the adjustment is correct the hub should turn freely with the only friction being from the seal.

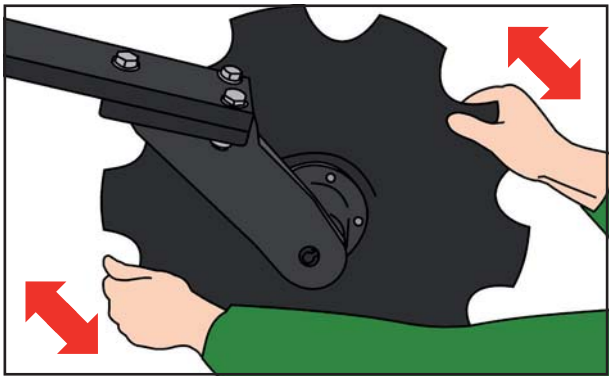
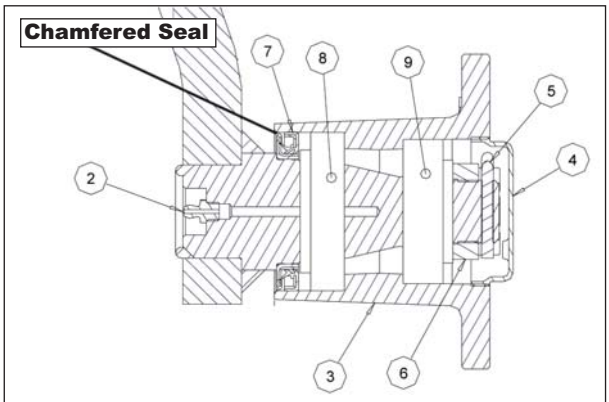


Fig. 5.01: Checking Disc Bearing Adjustment

5.3.2 Bearing Seals

It is important when replacing the labyrinth type bearing seals in disc hubs that the seal is fitted the right way round. The chamfered lip side should be at the outside of the bearing housing, nearest the disc arm (see *Fig. 5.02*). This chamfered lip prevents dirt ingress into the housing and also allows grease to be flushed though when greasing.



ITEM	PART NO	DESCRIPTION
1	---	DISC ARM
2	P12900	NIPPLE - GREASE M8
3	P14593	HUB CASTING
4	P14594	HUB CAP
5	P12908	SPRING PIN
6	P12907	NUT CASTLE M27x1.5
7	P12415	SEAL 64x45x9.5
8		BEARING 32008 40x68x19
9		BEARING 32206 30x62x21

Fig. 5.02: Correct Seal Orientation

5.4 DD Light Roll

The spacers and rings on the DD Light Roll are held under tension by the end plates at the outer ends of the roll tube.

Specialist equipment is required for the disassembly of DD Light rollers. Please consult your dealer under any circumstances that require disassembly of these rollers.

Maintenance of these rollers is limited to yearly/end of season greasing of the bearings and regular inspection to ensure the assemblies are tight, and scrapers are correctly set.

The scraper is intended to clear dirt from blocking between adjacent DD rings. If adjustment to the scrapers is required ensure that the scraper cannot contact the spacer even under load. Regularly inspect the spacers for signs of wear and adjust any scrapers to ensure no contact can be made.

5.5 Preparation for Storage

If you need to store the machine for a longer period, observe the following points:

• Park the machine undercover if possible.
• Protect the roll / discs against rust. If you need to spray the implements with oil, use light biologically degradable oils, e.g. rape oil.

Cover any rubber sections before using oil sprays. These sections must not be oiled.
Remove any traces of oil with a suitable cleaning agent.

5.6 Operator Support

If you have a problem, please contact your dealer. They will endeavour to solve any problems which may occur and provide you with support at all times.

In order to enable your dealer to deal with problems as quickly as possible, it helps if you can provide them with the following data. Always state the:

- Customer Number
- Name and Address
- Machine Model
- Serial Number of Machine
- Date of Purchase and Operating Hours
- Type of Problem

5.7 Maintenance Intervals

Apart from daily maintenance, the maintenance intervals are based on the number of operating hours and time data.

Keep a record of your operating hours to ensure that the specified maintenance intervals are adhered to as closely as possible.

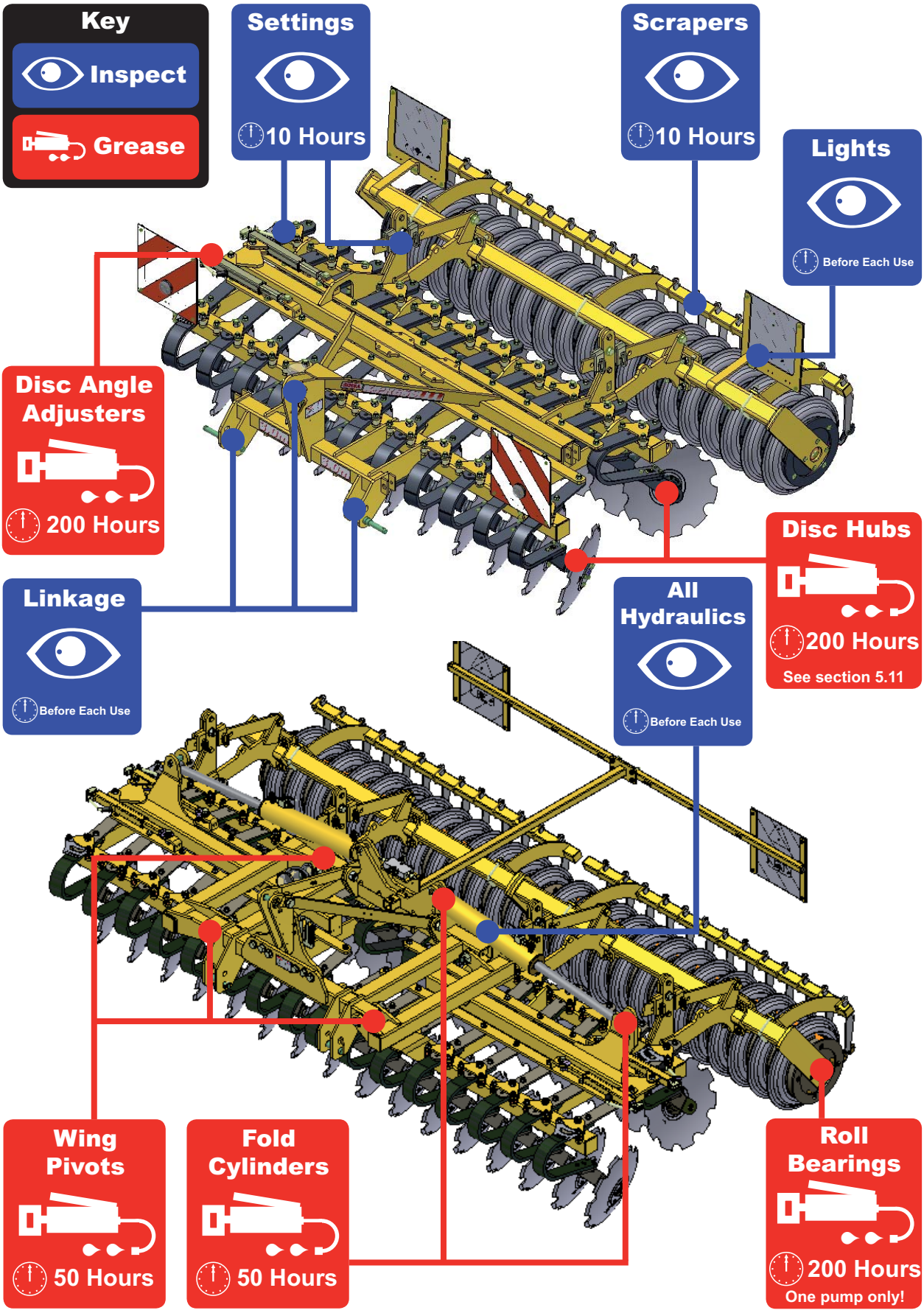
Never use a machine that is due for maintenance. Ensure that all deficiencies found during regular checks are remedied immediately.

Avoid sharp-edged and pointed parts (disc blades, etc.) when working on the machine.

Place the machine on suitable supports when working underneath! Do not work under a machine which is not supported!

On a new machine tighten all nuts and bolts after 5 hours work and again after 15 hours. This also applies to parts that have been moved or replaced. After the initial 15 hours of work a once a week check should be sufficient depending on daily work rates.

5.8 Maintenance Overview



5.9 Lubricating the Machine

Please read the section entitled “Using Lubricants” carefully before lubricating the machine.
The machine must be lubricated regularly in order for it to remain serviceable. Regular lubrication also contributes towards extending the service life of your machine.
The recommended lubricating intervals are specified in “Inspection” and “Maintenance Intervals”.

After it has been washed using a high-pressure hose or steam cleaned, the machine should always be lubricated using a grease gun.

5.10 Handling of Lubricants

Please ensure that you read the following instructions as well as the relevant information. This also applies to any of your employees who handle lubricants.

Hygiene

Lubricants do not present a health hazard provided they are used for their specified purpose.

In the case of prolonged skin contact, lubricants - especially low-viscosity oils - may remove the natural layer of fat contained in the skin, resulting in dryness and possible irritation .

It is important to take extreme care when handling waste oil as it may contain other irritants.

Vapours given off by cleaning agents and oils are also a potential health hazard.
You should therefore not carry any oily cloths around. Change soiled work clothing as soon as possible.

Always exercise extreme care and observe the recommended hygiene rules when handling mineral oil products. Details of these handling regulations can be found in information provided by the health authorities.

Storage and Handling

• Always store lubricants where they cannot be accessed by children.
• Never store lubricants in open or unlabelled containers.

Fresh Oil

• Apart from taking the usual care and observing hygiene rules, there is no need to take any special precautions when handling fresh oil.

Waste Oil

• Waste oil can contain harmful contaminants which may cause skin cancer, allergies and other illnesses.

Attention!

Oil is a toxic substance. Should you swallow any oil, do not try to vomit. Contact a doctor immediately.
Protect your hands with barrier cream or wear gloves to avoid contact with the skin. Wash off any traces of oil thoroughly with soap and hot water.

• Wash your skin thoroughly with soap and water.
• Use special cleaning agents to clean any dirt off your hands.
• Never wash oil residue from your skin with petrol, diesel fuel or paraffin.
• Avoid skin contact with any oily clothing.
• Do not keep any oily rags in your pockets.
• Wash soiled clothing before wearing it again.
• Ensure that any oily footwear is disposed of in the proper manner.

Measures in case of injury through oil

Eyes:

Should any oil be splashed into your eyes, rinse with water for 15 minutes. If the eye is still irritated, contact a doctor immediately

If oil is swallowed

If oil is swallowed, it is important not to induce vomiting. Contact a doctor immediately.

Skin irritation caused by oil

In case of prolonged skin contact, wash off the oil with soap and water.

Oil Spills

Use either sand or a suitable granular absorbent to soak up any spilt oil. Dispose of the oil-contaminated absorbent in the proper manner.

Oil Fires

Never use water to extinguish an oil fire. The oil will float on the water causing the fire to spread.

Burning oil-lubricant must be extinguished using a carbon dioxide powder or foam extinguisher. Always wear respiratory equipment when dealing with fires of this type.

Waste Oil Disposal

Oil-contaminated waste and used oil must be disposed of in accordance with current legislation.

Waste oil must be collected and disposed of in accordance with local regulations. Never pour used oil into unsealed sewage systems or drains or onto the ground.

5.11 Lubricants & Hydraulic Oil

Hydraulic System (4m Folding models)

The hydraulic fluid from the tractor is mixed with the hydraulic fluid from the machine.

The supplied machine hydraulic system contains Total AZOLLA ZS 32 oil.

Lubricants

Simba strongly recommend the use of **Lithium Complex EP2 Grease** in the disc hubs of your X-Press. This grease is a Lithium Complex soap dispersed in a mineral oil and is interpreted by IARC as being non-carcinogenic. Grease cartridges are available from Simba (P12710). Using this grease in combination with the labyrinth type seal it is permissible to lengthen the greasing interval on the disc hubs to 200 hours. If using a standard agricultural grease the disc hubs should be lubricated every 50 hours.

Advantages of Lithium Complex EP2 Grease

- Excellent mechanical stability.
- Excellent load carrying properties.
- Wide temperature range.
- Excellent oxidation stability.
- Excellent water resistance.
- Compatibility with other greases.

All other lubricating points on the machine can be lubricated with multigrade lubricating grease as specified in DIN 51825 KP/2K - 40.

6. Faults and Remedies

X-Press Troubleshooting		
Fault	**Possible Cause**	**Remedy**
Machine 'bouncing' in work.	Disc angle too great.	Reduce disc angle.
	Speed too fast.	Reduce speed (<12kmh).
Machine pulls to the left.	Front angle or depth too great.	Reduce front gang angle or depth.
	Rear gang angle or depth too shallow.	Increase rear gang angle or depth.
Machine pulls to the right.	Front gang angle or depth too shallow.	Increase front gang angle or depth.
	Rear gang angle or depth too great.	Reduce rear gang angle or depth.
DD Light Roll blocks regularly.	Scrapers incorrectly adjusted	Adjust scrapers to clear dirt from between DD Rings.
	Conditions may not be ideal for using machine.	Wait for more favourable conditions.
Inadequate consolidation.	Not enough weight on rear roll.	Increase chassis pitch slightly via tractor toplink.
	Not enough cultivated soil depth.	Increase working depth.
	Speed too fast.	Reduce speed (<12kmh).

Space for Notes:

Space for Notes:

7. Parts & Assembly

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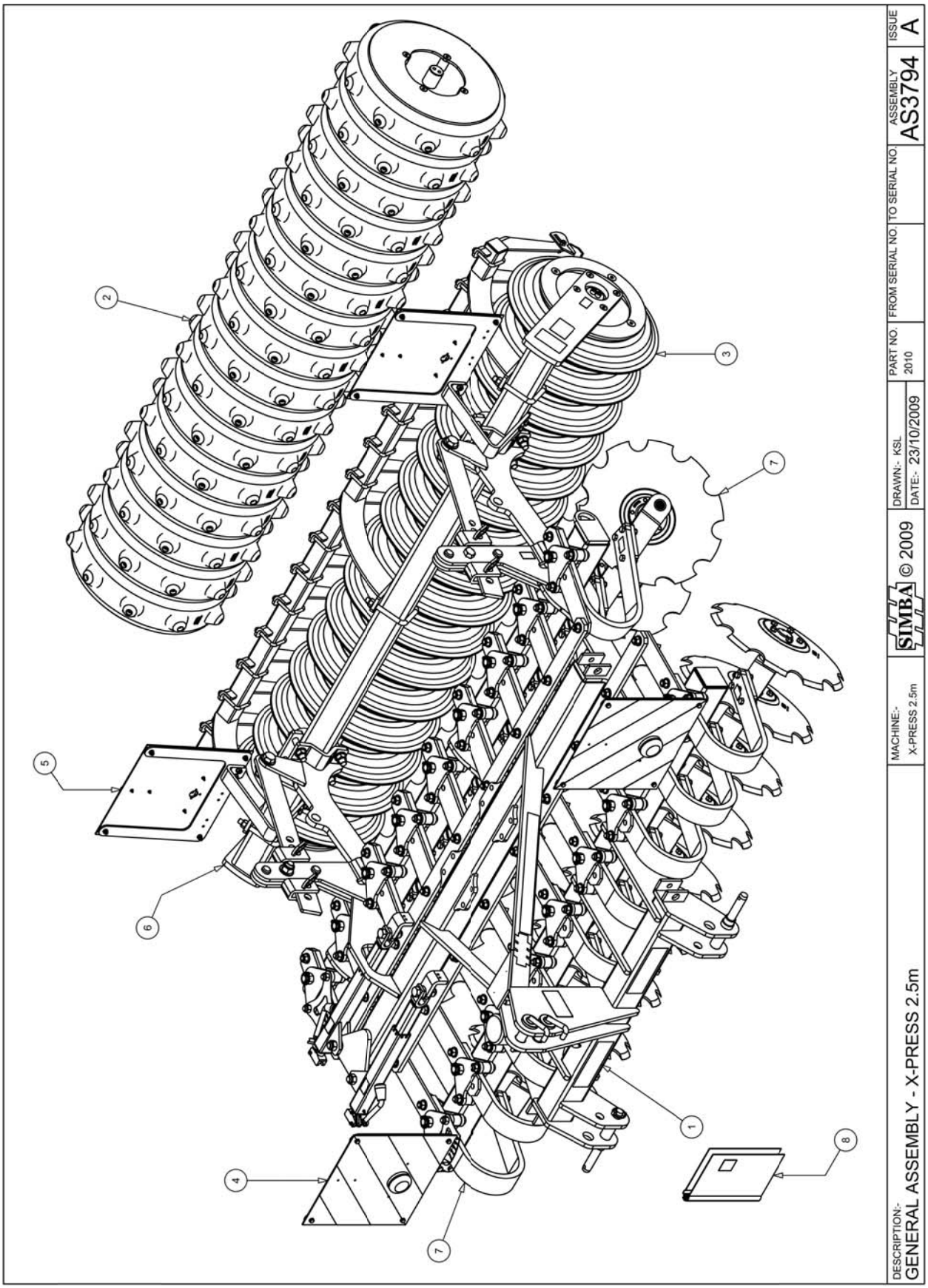
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MACHINE:-
X-PRESS 2.5m
SIMBA © 2009
DRAWN:- KSL
DATE:- 23/10/2009
PART NO.
2010
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3794
ISSUE
A

	AS3794	GENERAL ASSEMBLY - X-PRESS 2.5m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	AS3222	STICKER ASSEMBLY - X-PRESS 2.5m	1	
2	AS3235	AQUEEL 2 ROLL ASSEMBLY	1	
3	AS3598	DDLIGHT ROLL 2.5m	1	
4	AS3787	FRONT LIGHT KIT ASSEMBLY	1	
5	AS3788	REAR LIGHT KIT ASSEMBLY	1	
6	AS3789	ROLL FRAME 2.5m	1	
7	AS3801	CHASSIS ASSEMBLY	1	
8	P17329	MANUAL - MOUNTED X-PRESS 2010	1	
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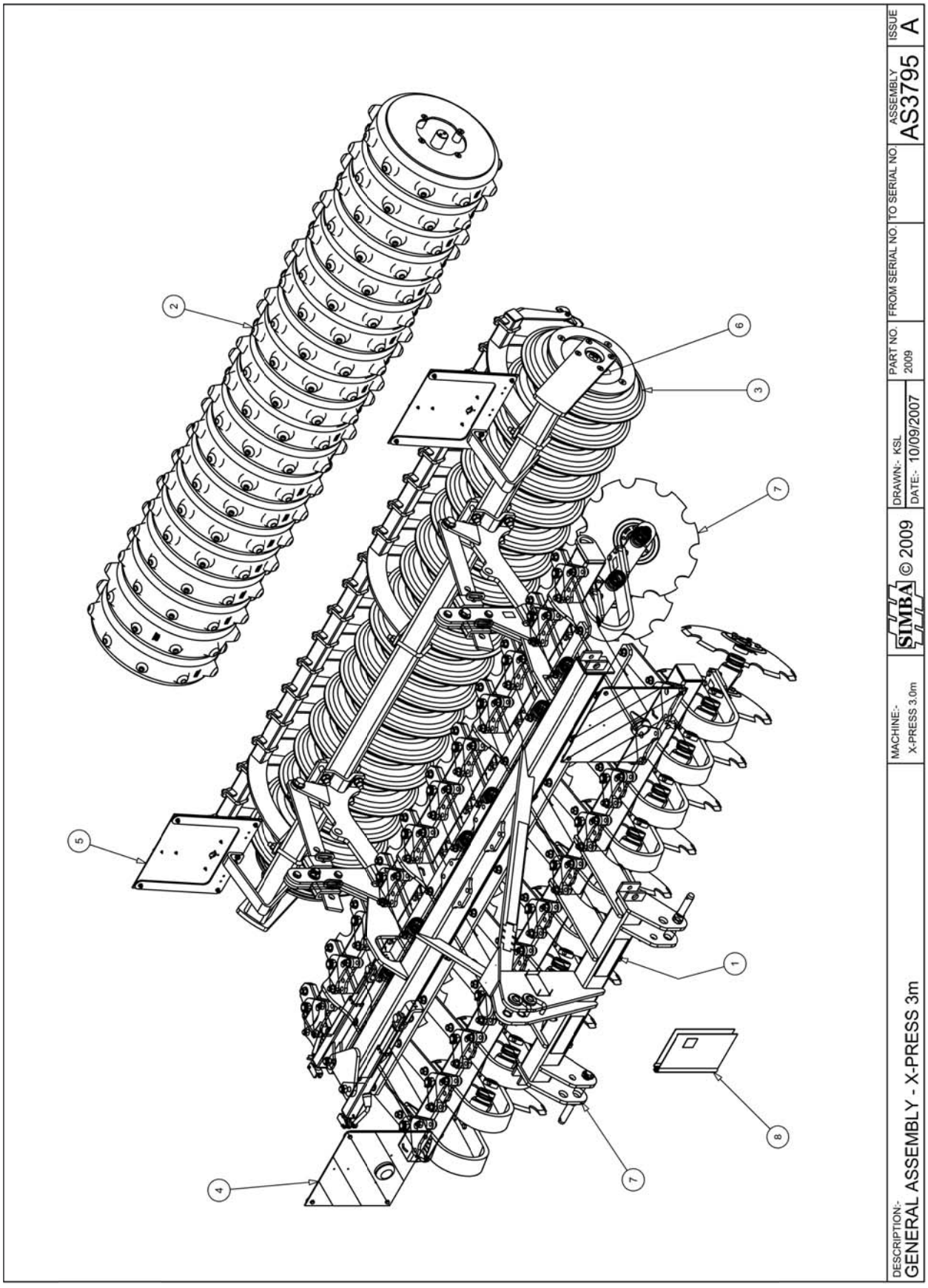
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DATE:- 10/09/2007
PART NO.
2009
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3795
ISSUE
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AS3795		GENERAL ASSEMBLY - X-PRESS 3.0m		
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1	AS3223	STICKER ASSEMBLY - X-PRESS 3.0m	1	
2	AS3236	AQUEEL 2 ROLL ASSEMBLY	1	OPTION
3	AS3599	DDLIGHT ROLL 3.0m	1	
4	AS3787	FRONT LIGHT KIT ASSEMBLY	1	OPTION
5	AS3788	REAR LIGHT KIT ASSEMBLY	1	OPTION
6	AS3790	ROLL FRAME 3.0m	1	
7	AS3802	CHASSIS ASSEMBLY	1	
8	P17329	MANUAL - X-PRESS 2010	1	
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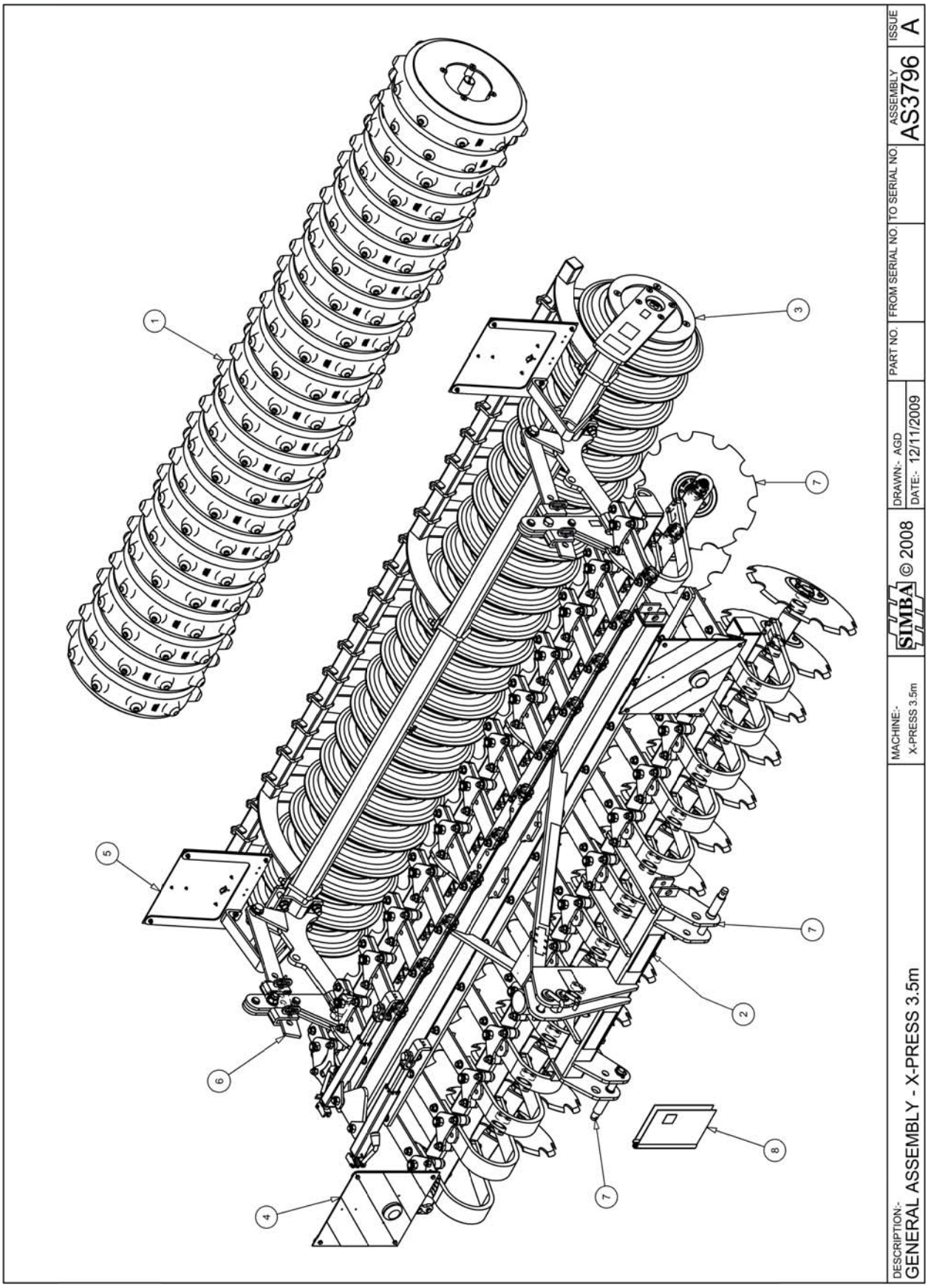
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	AS3796	GENERAL ASSEMBLY - X-PRESS 3.5m		
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1	AS3375	AQUEEL ROLL 2 ASSEMBLY	1	
2	AS3376	STICKER ASSEMBLY - X-PRESS 3.5m	1	
3	AS3600	DDLIGHT ROLL 3.5M	1	
4	AS3787	FRONT LIGHT KIT ASSEMBLY	1	
5	AS3788	REAR LIGHT KIT ASSEMBLY	1	
6	AS3791	ROLL FRAME 3.0m	1	
7	AS3803	CHASSIS ASSEMBLY	1	
8	P17329	MANUAL - MOUNTED X-PRESS 2010	1	
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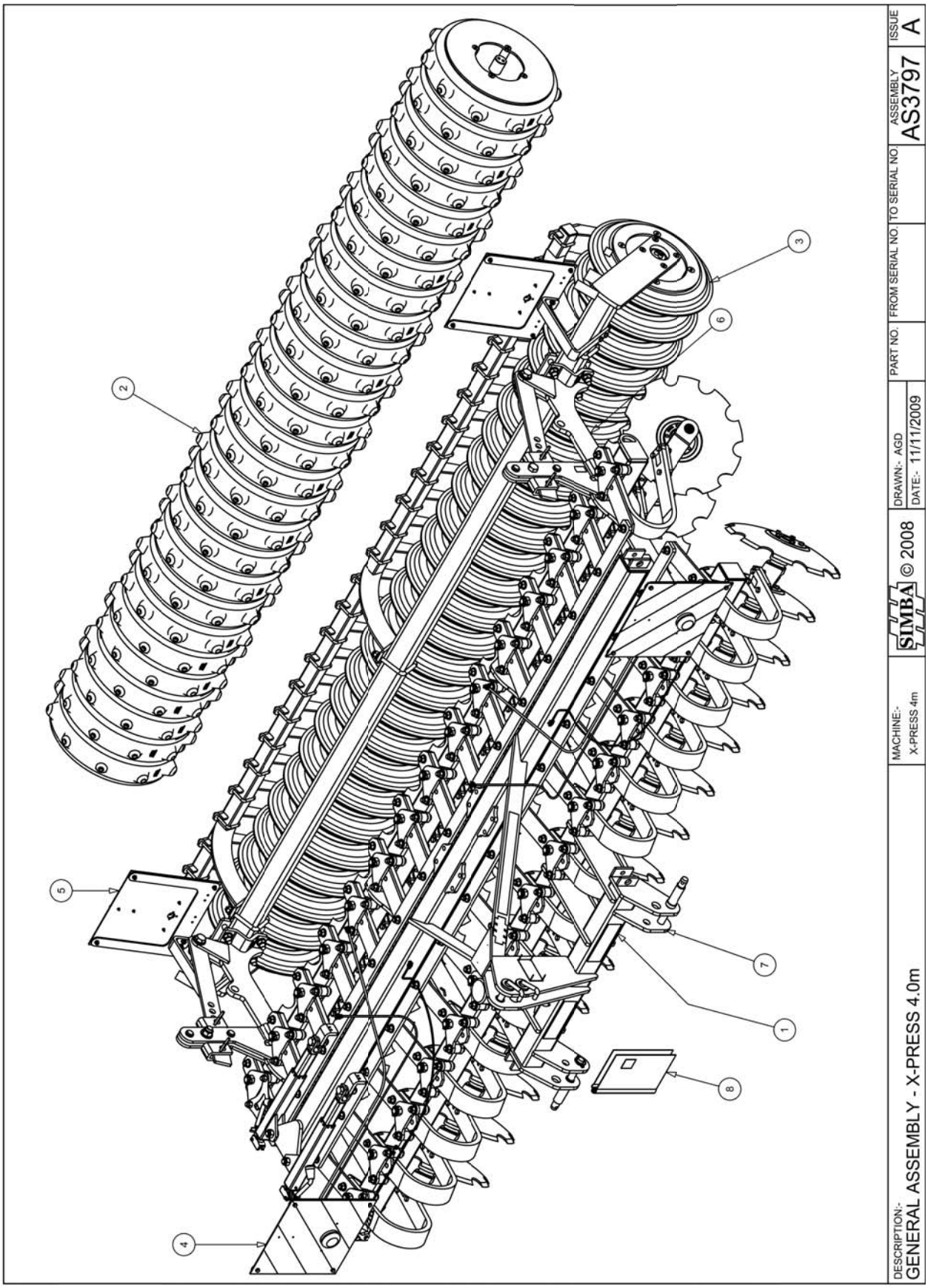
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X-PRESS 4m
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DRAWN:- AGD
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FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3797
ISSUE
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8

	AS3797	GENERAL ASSEMBLY - X-PRESS 4.0m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	AS3224	STICKER ASSEMBLY - X-PRESS 4.0m	1	
2	AS3237	AQUEEL ROLL 2 ASSEMBLY - 4.0m	1	OPTION
3	AS3601	DDLIGHT ROLL 4.0m	1	
4	AS3787	FRONT LIGHT KIT ASSEMBLY	1	OPTION
5	AS3788	REAR LIGHT KIT ASSEMBLY	1	OPTION
6	AS3792	ROLL FRAME 4.0m	1	
7	AS3804	CHASSIS ASSEMBLY	1	
8	P17329	MANUAL - MOUNTED X-PRESS 2010	1	
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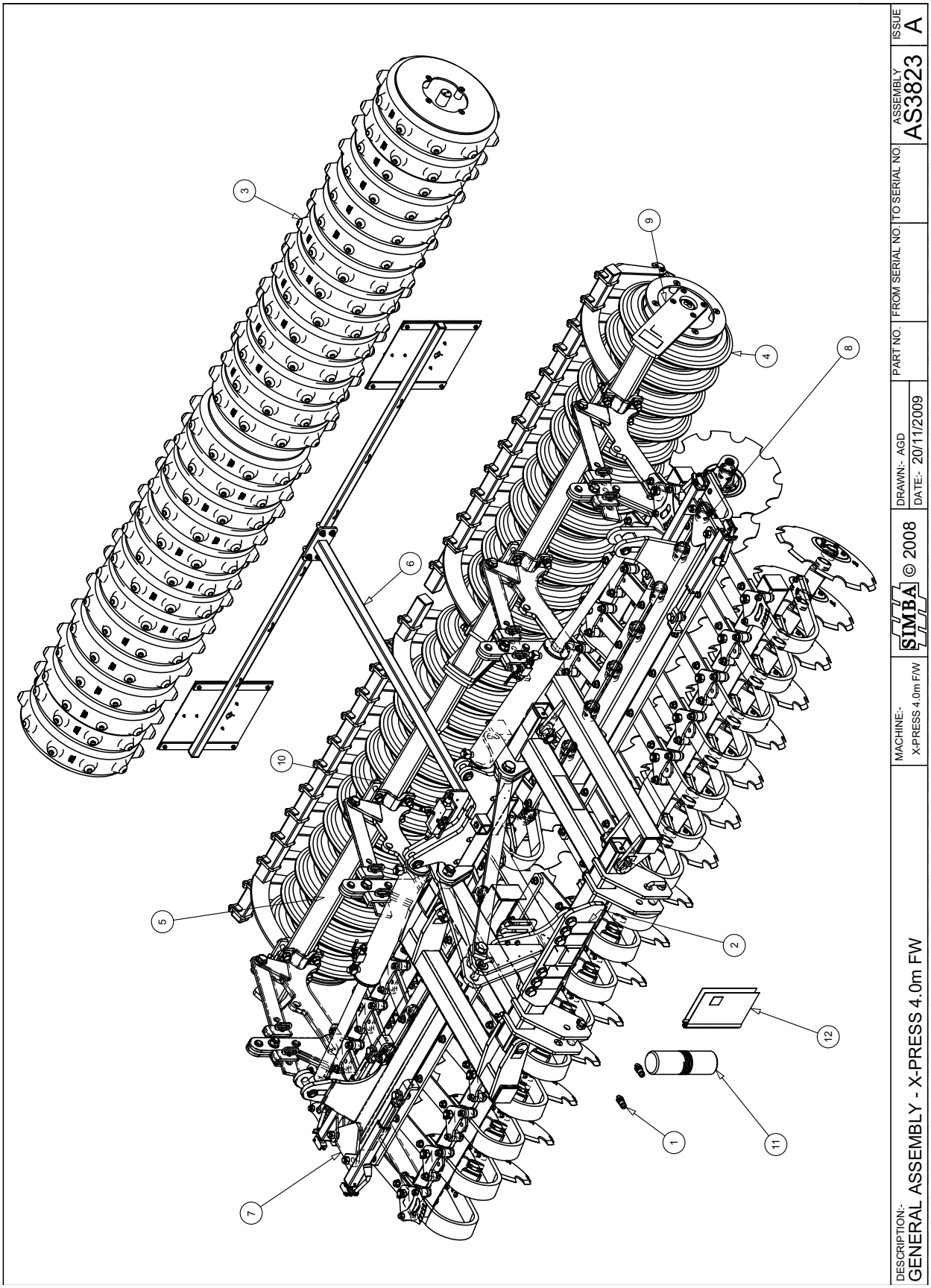
DESCRIPTION:-
GENERAL ASSEMBLY - X-PRESS 4.0m FW
MACHINE:-
X-PRESS 4.0m F/W
SIMBA © 2008
DRAWN:- AGD
DATE:- 20/11/2009
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3823
ISSUE
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	AS3823	GENERAL ASSEMBLY 4.0m F/W		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	AS2737	HYDRAULIC COMPONENTS	1	
2	AS3225	STICKER ASSEMBLY - X-PRESS 4.0m FW	1	
3	AS3238	AQUEEL 2 ROLL	2	
4	AS3602	DDLIGHT ROLL 4.0m LH FW	1	
5	AS3607	DDLIGHT ROLL RH 4.0m FW	1	
6	AS3824	CHASSIS ASSEMBLY	1	
7	AS3825	WNG ASSEMBLY RH	1	
8	AS3826	WING ASSEMBLY LH	1	
9	AS3827	ROLL FRAME ASSEMBLY LH	1	
10	AS3828	ROLL FRAME ASSEMBLY RH	1	
11	P13013	MANUAL CASE Ø100	1	
12	P17329	MANUAL - MOUNTED X-PRESS 2010	1	
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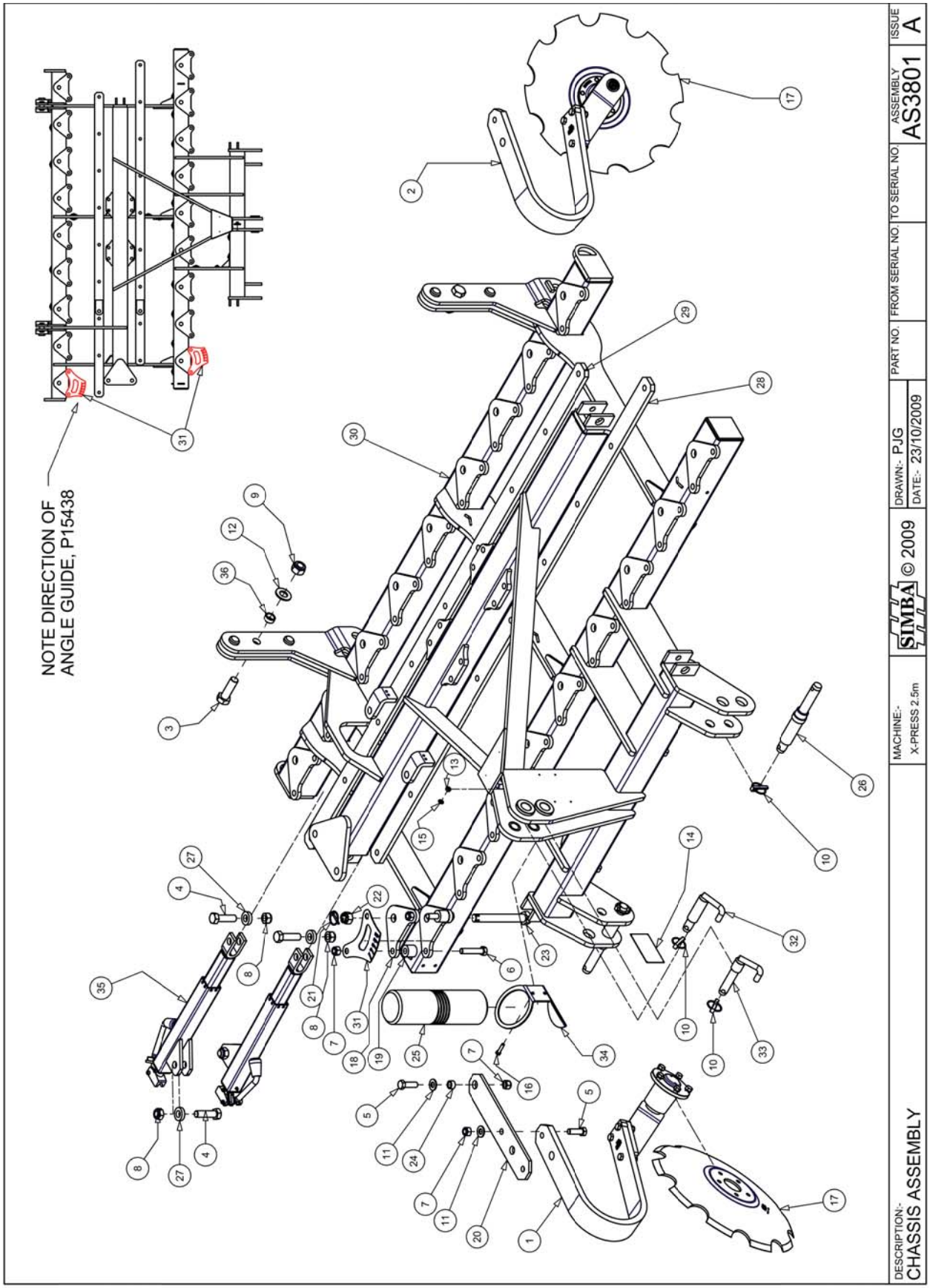
NOTE DIRECTION OF
ANGLE GUIDE, P15438
DESCRIPTION:-
CHASSIS ASSEMBLY
MACHINE:-
X-PRESS 2.5m
SIMBA © 2009
DRAWN:- PJG
DATE:- 23/10/2009
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3801
ISSUE
A

	AS3801	CHASSIS ASSEMBLY 2.5m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	AS3210	DISC UNIT ASSEMBLY RH	9	
2	AS3211	DISC UNIT ASSEMBLY LH	9	
3	P00015	BOLT M24x75 GR. 8.8	2	
4	P00874	BOLT M20x70 GR. 8.8	4	
5	P01704	BOLT M16x50 GR8.8	36	
6	P01901	BOLT M16x80 GR. 8.8	36	
7	P02008	NUT LOCK M16 'TYPE T'	72	
8	P02009	NUT LOCK M20	4	
9	P02010	NUT LOCK M24	2	
10	P02484	LYNCH PIN CAT 2	4	
11	P02602	WASHER FLAT M16	68	
12	P02604	WASHER FLAT M24 Ø50	2	
13	P04754	NUT LOCK M8	2	
14	P05122	SERIAL PLATE	1	
15	P05535	WASHER FLAT M8	2	
16	P10096	BOLT M8x35 GR. 8.8	2	
17	P11462	DISC BLADE Ø515x6	18	
18	P12620	TOP PLATE	18	
19	P12621	SPACER Ø36xØ16.5x31mm	36	
20	P12622	TRACK ARM	18	
21	P12783	LYNCH PIN CAT 0	18	
22	P12810	NUT CASTLE M24	18	
23	P12815	BOLT M24x185 STRUCTURAL GR 8.8	18	
24	P12886	Ø24xØ16x13mm SPACER BUSH	18	
25	P13013	MANUAL CASE Ø100	1	
26	P13112	LOWER LINK PIN	2	
27	P14055	SPACER BUSH - 10mm	4	
28	P14273	TRACK ROD - FRONT	1	
29	P14274	TRACKROD REAR	1	
30	P14979	CHASSIS - X-PRESS 2.5m	1	
31	P15438	ANGLE GUIDE	2	
32	P15878	UPPER LINK PIN - CAT 3	1	
33	P15935	UPPER LINK PIN - CAT 2	1	
34	P16312	MANUAL TUBE BRACKET	1	
35	P17076	ADJUSTER 350-600	2	
36	P17335	ROLL LINKAGE BUSH	2	
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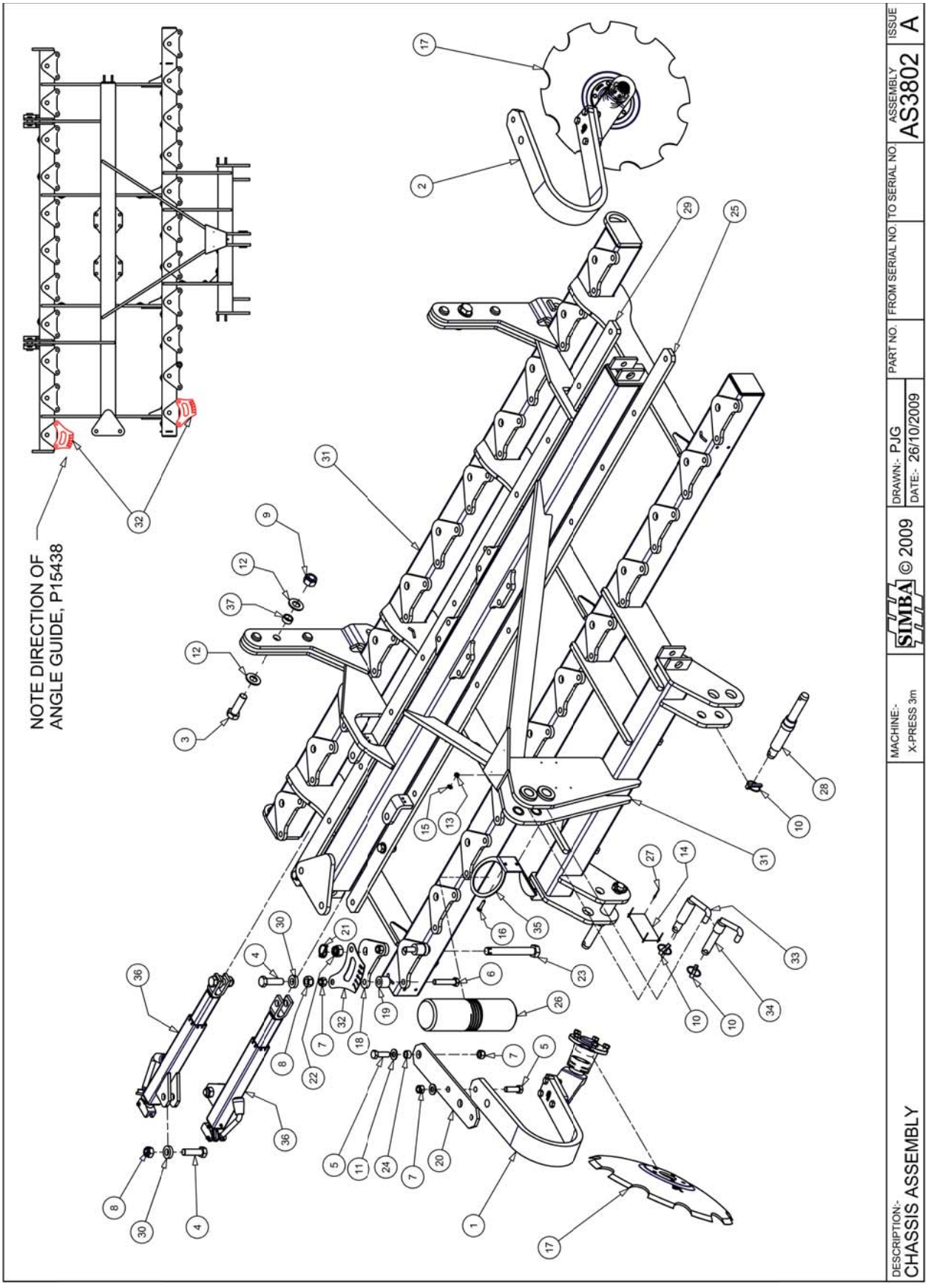
NOTE DIRECTION OF ANGLE GUIDE, P15438
DESCRIPTION:- CHASSIS ASSEMBLY
MACHINE:- X-PRESS 3m
SIMBA © 2009
DRAWN:- PJG
DATE:- 26/10/2009
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY AS3802
ISSUE A

	AS3802	CHASSIS ASSEMBLY 3.0m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	AS3210	DISC UNIT ASSEMBLY RH	11	
2	AS3211	DISC UNIT ASSEMBLY LH	11	
3	P00015	BOLT M24x75 GR. 8.8	2	
4	P00874	BOLT M20x70 GR. 8.8	4	
5	P01704	BOLT M16x50 GR8.8	44	
6	P01901	BOLT M16x80 GR. 8.8	44	
7	P02008	NUT LOCK M16 'TYPE T'	88	
8	P02009	NUT LOCK M20	4	
9	P02010	NUT LOCK M24	2	
10	P02484	LYNCH PIN CAT 2	4	
11	P02602	WASHER FLAT M16	84	
12	P02604	WASHER FLAT M24 Ø50	4	
13	P04754	NUT LOCK M8	2	
14	P05122	SERIAL PLATE	1	
15	P05535	WASHER FLAT M8	2	
16	P10096	BOLT M8x35 GR. 8.8	2	
17	P11462	DISC BLADE Ø515x6	22	
18	P12620	TOP PLATE	22	
19	P12621	SPACER Ø36xØ16.5x31mm	44	
20	P12622	TRACK ARM	22	
21	P12783	LYNCH PIN CAT 0	22	
22	P12810	NUT CASTLE M24	22	
23	P12815	BOLT M24x185 STRUCTURAL GR 8.8	22	
24	P12886	Ø24xØ16x13mm SPACER BUSH	22	
25	P12897	TRACK ROD RH FRONT 5.5m X-PRESS SL	1	
26	P13013	MANUAL CASE Ø100	1	
27	P13092	RIVET Ø3x10x Ø6 HEAD	4	
28	P13112	LOWER LINK PIN	2	
29	P14015	TRACKROD REAR	1	
30	P14055	SPACER BUSH - 10mm	4	
31	P14980	CHASSIS - X-PRESS 3m	1	
32	P15438	ANGLE GUIDE	2	
33	P15878	UPPER LINK PIN - CAT 3	1	
34	P15935	UPPER LINK PIN - CAT 2	1	
35	P16312	MANUAL TUBE BRACKET	1	
36	P17076	ADJUSTER 350-600	2	
37	P17335	ROLL LINKAGE BUSH	2	
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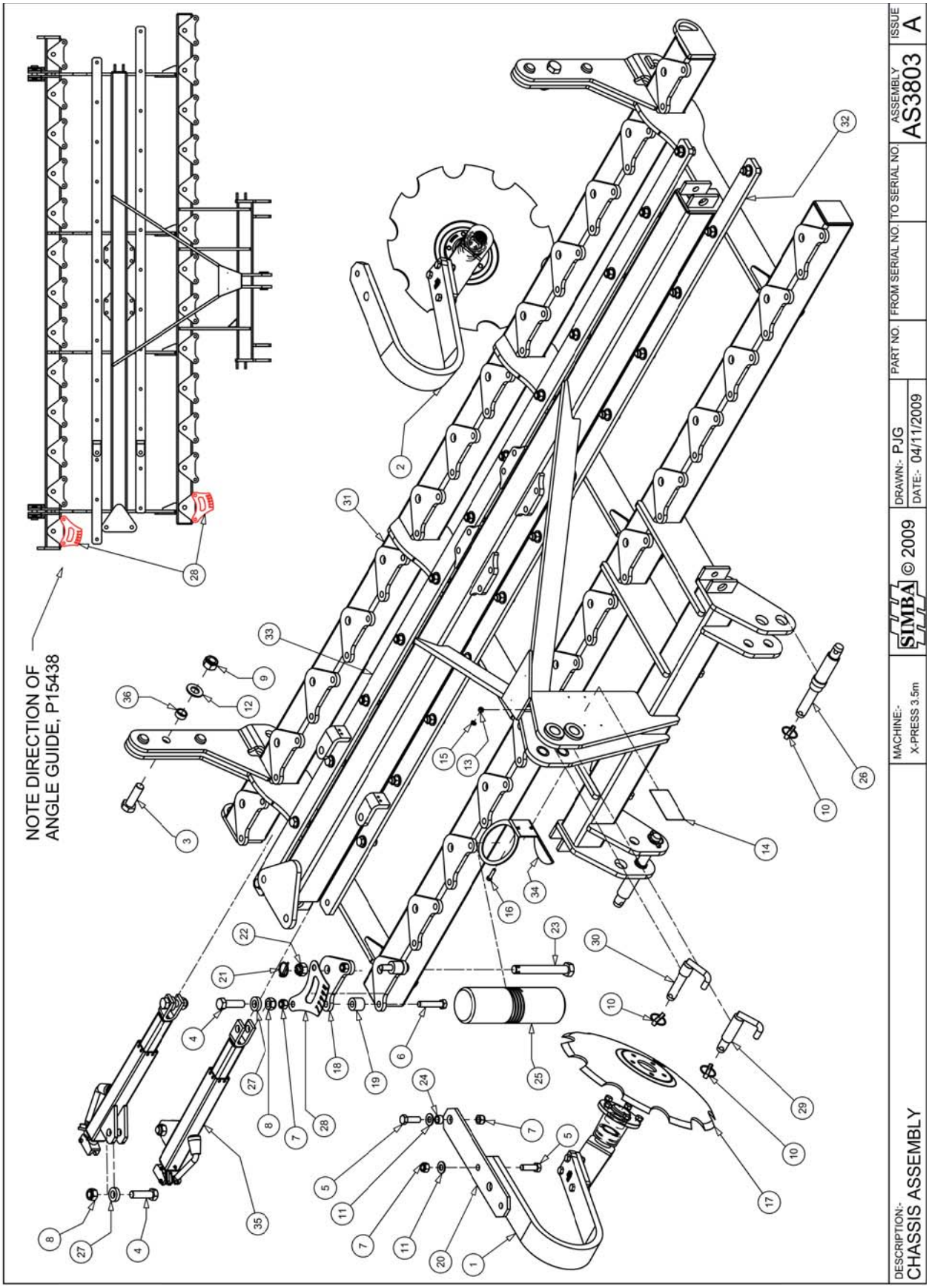
NOTE DIRECTION OF
ANGLE GUIDE, P15438
DESCRIPTION:-
CHASSIS ASSEMBLY
MACHINE:-
X-PRESS 3.5m
SIMBA © 2009
DRAWN:- PJG
DATE:- 04/11/2009
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3803
ISSUE
A

	AS3803	CHASSIS ASSEMBLY - 3.5m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	AS3210	DISC UNIT ASSEMBLY RH	13	
2	AS3211	DISC UNIT ASSEMBLY LH	13	
3	P00015	BOLT M24x75 GR. 8.8	2	
4	P00874	BOLT M20x70 GR. 8.8	4	
5	P01704	BOLT M16x50 GR8.8	52	
6	P01901	BOLT M16x80 GR. 8.8	52	
7	P02008	NUT LOCK M16 'TYPE T'	104	
8	P02009	NUT LOCK M20	4	
9	P02010	NUT LOCK M24	2	
10	P02484	LYNCH PIN CAT 2	4	
11	P02602	WASHER FLAT M16	100	
12	P02604	WASHER FLAT M24 Ø50	2	
13	P04754	NUT LOCK M8	2	
14	P05122	SERIAL PLATE	1	
15	P05535	WASHER FLAT M8	2	
16	P10096	BOLT M8x35 GR. 8.8	2	
17	P11462	DISC BLADE Ø515x6	26	
18	P12620	TOP PLATE	26	
19	P12621	SPACER Ø36xØ16.5x31mm	52	
20	P12622	TRACK ARM	26	
21	P12783	LYNCH PIN CAT 0	26	
22	P12810	NUT CASTLE M24	26	
23	P12815	BOLT M24x185 STRUCTURAL GR 8.8	26	
24	P12886	Ø24xØ16x13mm SPACER BUSH	26	
25	P13013	MANUAL CASE Ø100	1	
26	P13112	LOWER LINK PIN	2	
27	P14055	SPACER BUSH - 10mm	4	
28	P15438	ANGLE GUIDE	2	
29	P15878	UPPER LINK PIN - CAT 3	1	
30	P15935	UPPER LINK PIN - CAT 2	1	
31	P16265	CHASSIS - X-PRESS 3.5m	1	
32	P16266	TRACKROD - 13 HOLES 350mm	1	
33	P16268	TRACKROD - 13 HOLES 545mm	1	
34	P16312	MANUAL TUBE BRACKET	1	
35	P17076	ADJUSTER 350-600	2	
36	P17335	ROLL LINKAGE BUSH	2	
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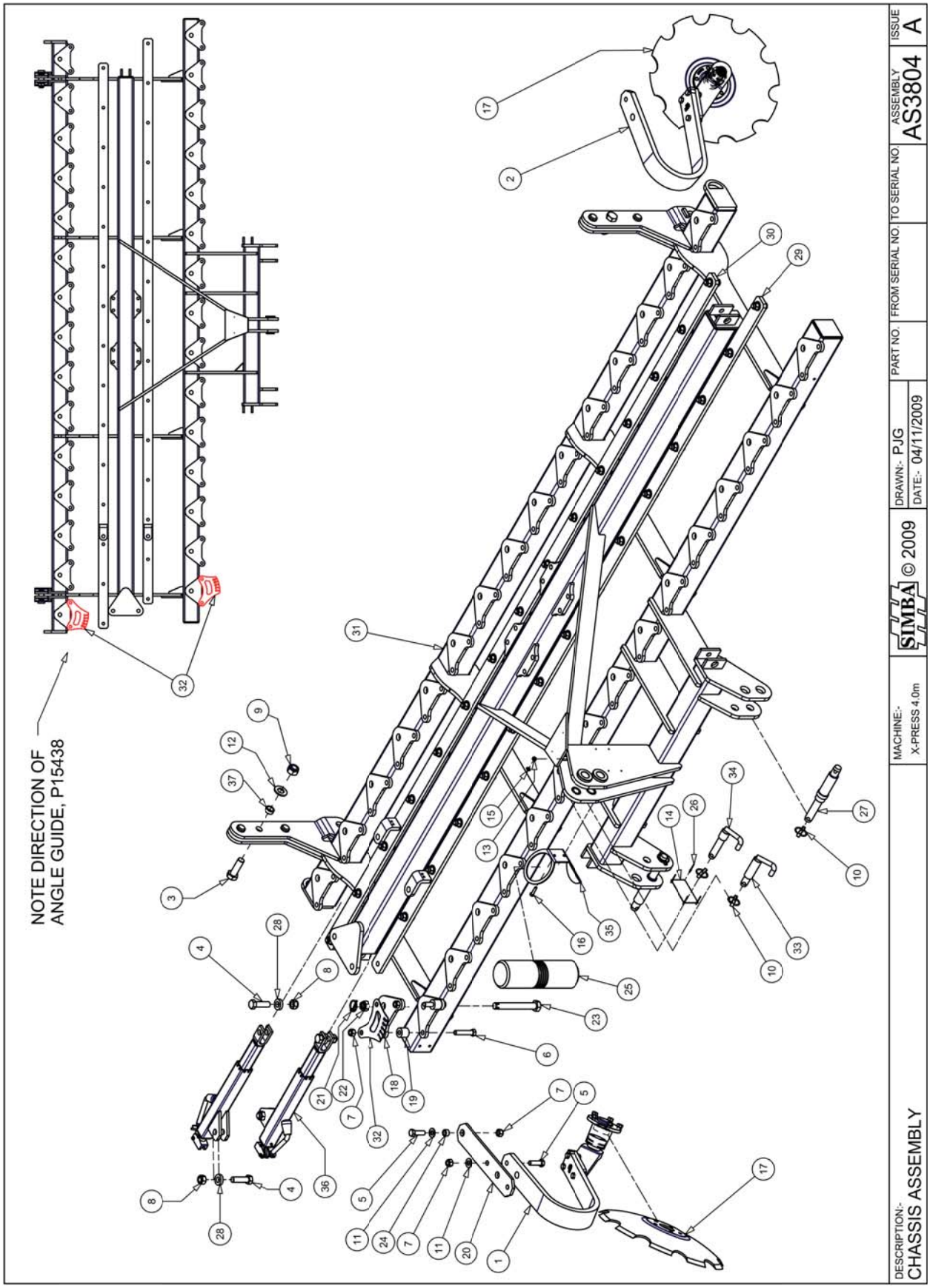
NOTE DIRECTION OF ANGLE GUIDE, P15438
DESCRIPTION:- CHASSIS ASSEMBLY
MACHINE:- X-PRESS 4.0m
SIMBA © 2009
DRAWN:- PJG
DATE:- 04/11/2009
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY AS3804
ISSUE A

	AS3804	CHASSIS ASSEMBLY - 4.0m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	AS3210	DISC UNIT ASSEMBLY RH	15	
2	AS3211	DISC UNIT ASSEMBLY LH	15	
3	P00015	BOLT M24x75 GR. 8.8	2	
4	P00874	BOLT M20x70 GR. 8.8	4	
5	P01704	BOLT M16x50 GR8.8	60	
6	P01901	BOLT M16x80 GR. 8.8	60	
7	P02008	NUT LOCK M16 'TYPE T'	120	
8	P02009	NUT LOCK M20	4	
9	P02010	NUT LOCK M24	2	
10	P02484	LYNCH PIN CAT 2	4	
11	P02602	WASHER FLAT M16	116	
12	P02604	WASHER FLAT M24 Ø50	2	
13	P04754	NUT LOCK M8	2	
14	P05122	SERIAL PLATE	1	
15	P05535	WASHER FLAT M8	2	
16	P10096	BOLT M8x35 GR. 8.8	2	
17	P11462	DISC BLADE Ø515x6	30	
18	P12620	TOP PLATE	30	
19	P12621	SPACER Ø36xØ16.5x31mm	60	
20	P12622	TRACK ARM	30	
21	P12783	LYNCH PIN CAT 0	30	
22	P12810	NUT CASTLE M24	30	
23	P12815	BOLT M24x185 STRUCTURAL GR 8.8	30	
24	P12886	Ø24xØ16x13mm SPACER BUSH	30	
25	P13013	MANUAL CASE Ø100	1	
26	P13092	RIVET Ø3x10x Ø6 HEAD	4	
27	P13112	LOWER LINK PIN	2	
28	P14055	SPACER BUSH - 10mm	4	
29	P14087	TRACKROD - 15 HOLES 395mm	1	
30	P14088	TRACKROD - 15 HOLES 550mm	1	
31	P14981	CHASSIS - X-PRESS 4m	1	
32	P15438	ANGLE GUIDE	2	
33	P15878	UPPER LINK PIN - CAT 3	1	
34	P15935	UPPER LINK PIN - CAT 2	1	
35	P16312	MANUAL TUBE BRACKET	1	
36	P17076	ADJUSTER 350-600	2	
37	P17335	ROLL LINKAGE BUSH	2	
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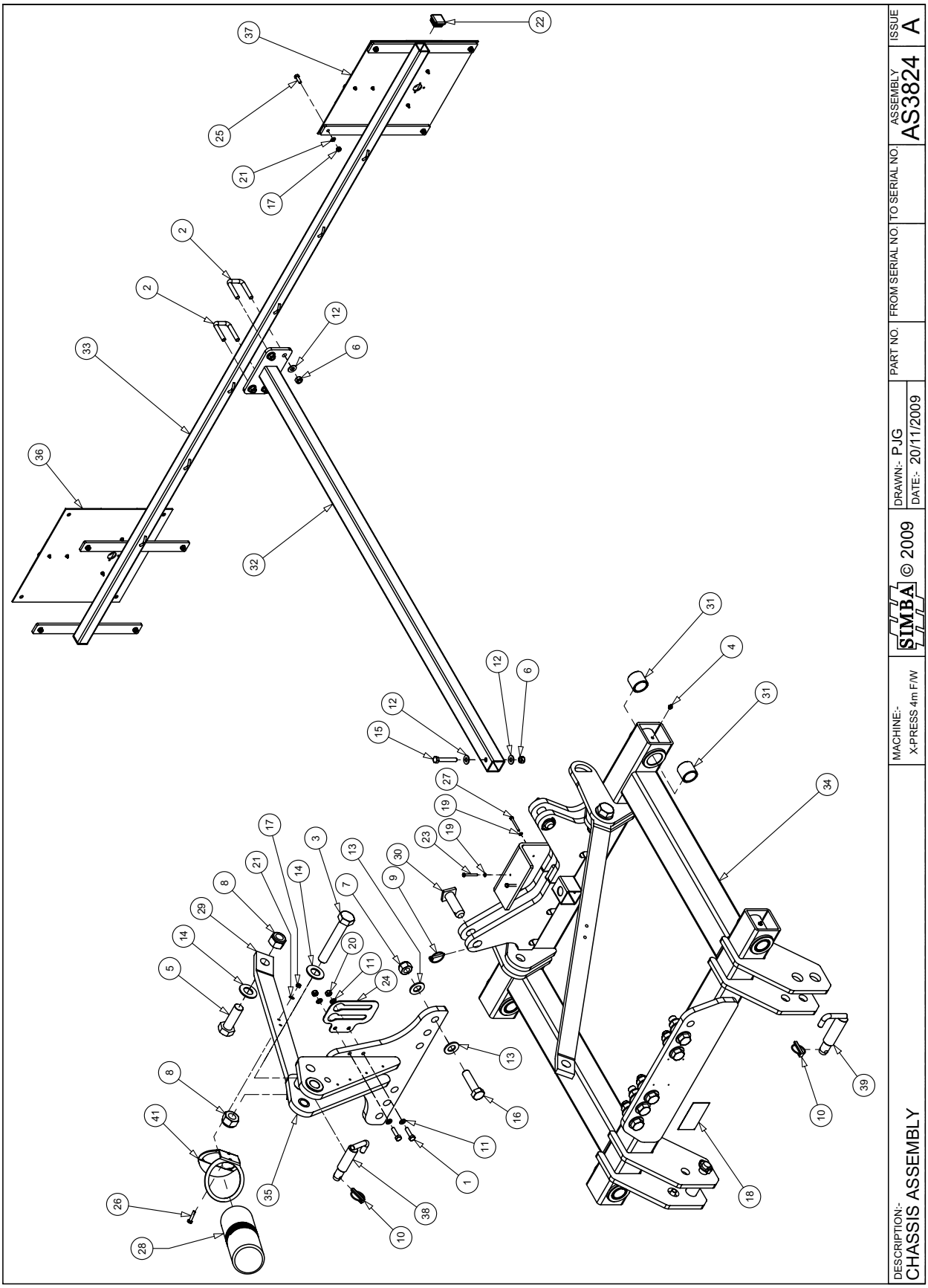
DESCRIPTION:-
CHASSIS ASSEMBLY
MACHINE:-
X-PRESS 4m F/W
SIMBA © 2009
DRAWN:- PJG
DATE:- 20/11/2009
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3824
ISSUE
A

AS3824	CHASSIS ASSEMBLY		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	P00001	BOLT M10x40 GR.8.8	2	
2	P00002	BOLT U M12 GR8.8 70x54	2	
3	P00036	BOLT M30x180 GR. 8.8	1	
4	P00071	NIPPLE - GREASE	4	
5	P00941	BOLT M30x90 GR. 8.8	2	
6	P02007	NUT LOCK M12	5	
7	P02010	NUT LOCK M24	6	
8	P02011	NUT LOCK M30	3	
9	P02483	LYNCH PIN CAT 1	2	
10	P02484	LYNCH PIN CAT 2	3	
11	P02600	WASHER FLAT M10	4	
12	P02601	WASHER FLAT M12	6	
13	P02604	WASHER FLAT M24 Ø50	12	
14	P02608	WASHER FLAT M30	3	
15	P03093	BOLT M12x75 GR. 8.8	1	
16	P04025	BOLT M24x90 GR. 8.8	6	
17	P04754	NUT LOCK M8	10	
18	P05122	SERIAL PLATE	1	
19	P05401	WASHER SPRING M6	4	
20	P05534	NUT LOCK M10	2	
21	P05535	WASHER FLAT M8	18	
22	P07543	PLASTIC END CAP 40x40	2	
23	P08892	BOLT M6x50 GR. 8.8	2	
24	P09092	HOSE STOWAGE PLATE	1	
25	P09597	BOLT M8x25 GR. 8.8	8	
26	P10096	BOLT M8x35 GR. 8.8	2	
27	P11499	BOLT M6x55 GR. 8.8	2	
28	P13013	MANUAL CASE Ø100	1	
29	P13126	HEADSTOCK BRACE	2	
30	P14072	PIN Ø30x93	2	
31	P14075	BUSH Ø52xØ40.6x45	8	
32	P14971	LIGHT MOUNT	1	
33	P14973	LIGHT BEAM	1	
34	P14974	CHASSIS	1	
35	P14995	HEADSTOCK PLATE	1	
36	P15562	LIGHT BOARD RRH	1	
37	P15563	LIGHT BOARD RLH	1	
38	P15878	UPPER LINK PIN - CAT 3	1	
39	P15879	LOWER LINK PIN - CAT 3	2	
40	P15887	WIRING LOOM - X-PRESS 4.0m FW	1	
41	P16312	MANUAL TUBE BRACKET	1	
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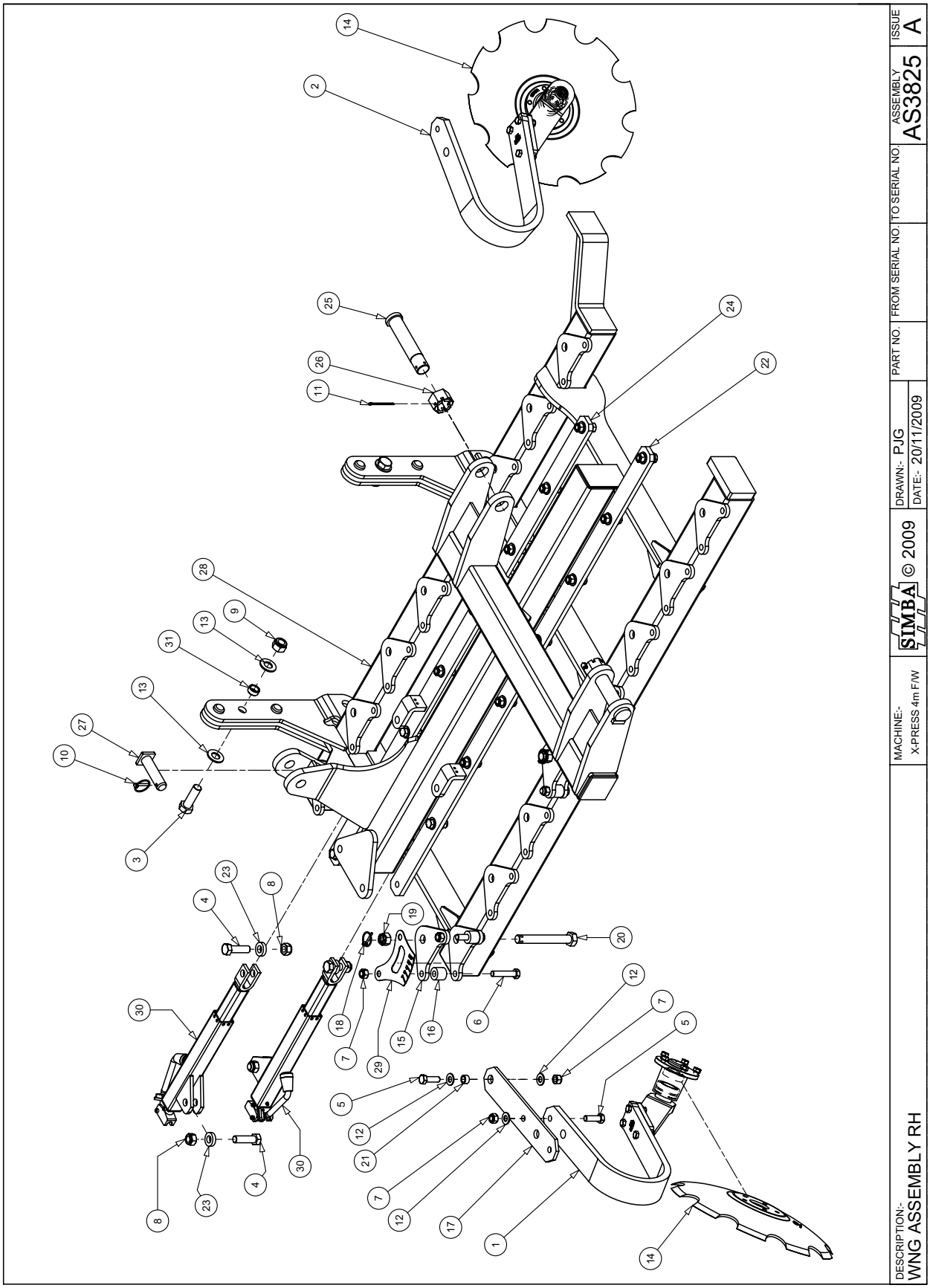
DESCRIPTION:-
WNG ASSEMBLY RH
MACHINE:-
X-PRESS 4m F/W
SIMBA © 2009
DRAWN:- PJG
DATE:- 20/11/2009
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3825
ISSUE
A

	AS3825	WING ASSEMBLY RH		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	AS3210	DISC UNIT ASSEMBLY RH	8	
2	AS3211	DISC UNIT ASSEMBLY LH	8	
3	P00015	BOLT M24x75 GR. 8.8	2	
4	P00874	BOLT M20x70 GR. 8.8	4	
5	P01704	BOLT M16x50 GR8.8	32	
6	P01901	BOLT M16x80 GR. 8.8	32	
7	P02008	NUT LOCK M16 'TYPE T'	64	
8	P02009	NUT LOCK M20	4	
9	P02010	NUT LOCK M24	2	
10	P02483	LYNCH PIN CAT 1	1	
11	P02488	PIN SPLIT Ø5x75	2	
12	P02602	WASHER FLAT M16	52	
13	P02604	WASHER FLAT M24 Ø50	4	
14	P11462	DISC BLADE Ø515x6	16	
15	P12620	TOP PLATE	16	
16	P12621	SPACER Ø36xØ16.5x31mm	32	
17	P12622	TRACK ARM	16	
18	P12783	LYNCH PIN CAT 0	16	
19	P12810	NUT CASTLE M24	16	
20	P12815	BOLT M24x185 STRUCTURAL GR 8.8	16	
21	P12886	Ø24xØ16x13mm SPACER BUSH	16	
22	P12928	TRACK ROD FRONT LH 4.6SL X-PRESS	1	
23	P14055	SPACER BUSH - 10mm	4	
24	P14063	TRACKROD REAR RH - 8 HOLES 550mm	1	
25	P14069	BOLT M39x200	2	
26	P14070	SLOTTED NUT M39	2	
27	P14071	PIN Ø30x115	1	
28	P14987	DISC FRAME RH	1	
29	P15438	ANGLE GUIDE	2	
30	P17076	ADJUSTER 350-600	2	
31	P17335	ROLL LINKAGE BUSH	2	
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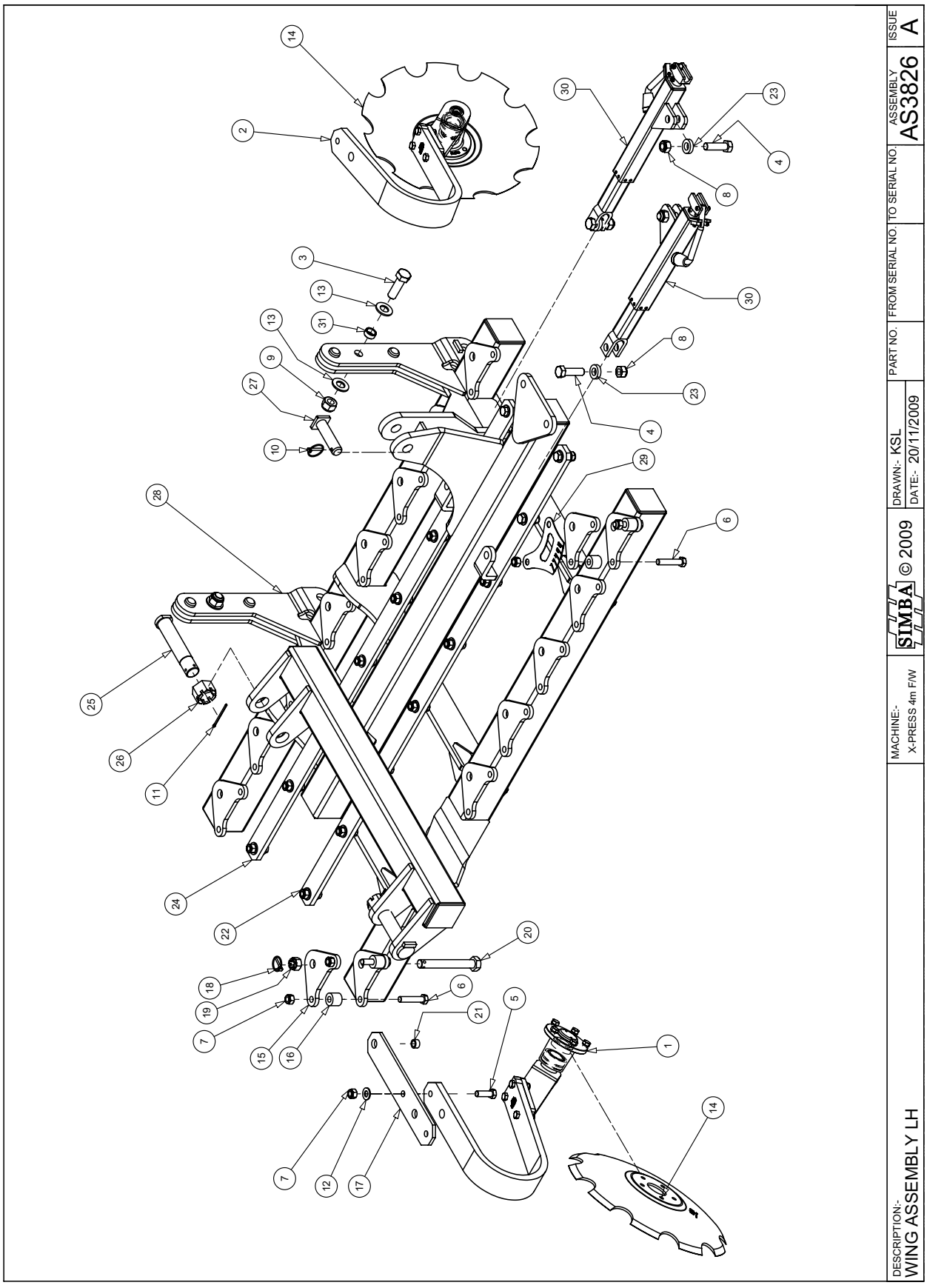
DESCRIPTION:-
WING ASSEMBLY LH
MACHINE:-
X-PRESS 4m F/W
SIMBA © 2009
DRAWN:- KSL
DATE:- 20/11/2009
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3826
ISSUE
A

	AS3826	WING ASSEMBLY LH		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	AS3210	DISC UNIT ASSEMBLY RH	8	
2	AS3211	DISC UNIT ASSEMBLY LH	8	
3	P00015	BOLT M24x75 GR. 8.8	2	
4	P00874	BOLT M20x70 GR. 8.8	4	
5	P01704	BOLT M16x50 GR8.8	32	
6	P01901	BOLT M16x80 GR. 8.8	32	
7	P02008	NUT LOCK M16 'TYPE T'	64	
8	P02009	NUT LOCK M20	4	
9	P02010	NUT LOCK M24	2	
10	P02483	LYNCH PIN CAT 1	1	
11	P02488	PIN SPLIT Ø5x75	2	
12	P02602	WASHER FLAT M16	76	
13	P02604	WASHER FLAT M24 Ø50	4	
14	P11462	DISC BLADE Ø515x6	16	
15	P12620	TOP PLATE	16	
16	P12621	SPACER Ø36xØ16.5x31mm	32	
17	P12622	TRACK ARM	16	
18	P12783	LYNCH PIN CAT 0	16	
19	P12810	NUT CASTLE M24	16	
20	P12815	BOLT M24x185 STRUCTURAL GR 8.8	16	
21	P12886	Ø24xØ16x13mm SPACER BUSH	16	
22	P12928	TRACK ROD FRONT LH 4.6SL X-PRESS	1	
23	P14055	SPACER BUSH - 10mm	4	
24	P14062	TRACKROD REAR LH - 8 HOLES 300mm	1	
25	P14069	BOLT M39x200	2	
26	P14070	SLOTTED NUT M39	2	
27	P14071	PIN Ø30x115	1	
28	P14988	DISC FRAME LH	1	
29	P15438	ANGLE GUIDE	2	
30	P17076	ADJUSTER 350-600	2	
31	P17335	ROLL LINKAGE BUSH	2	
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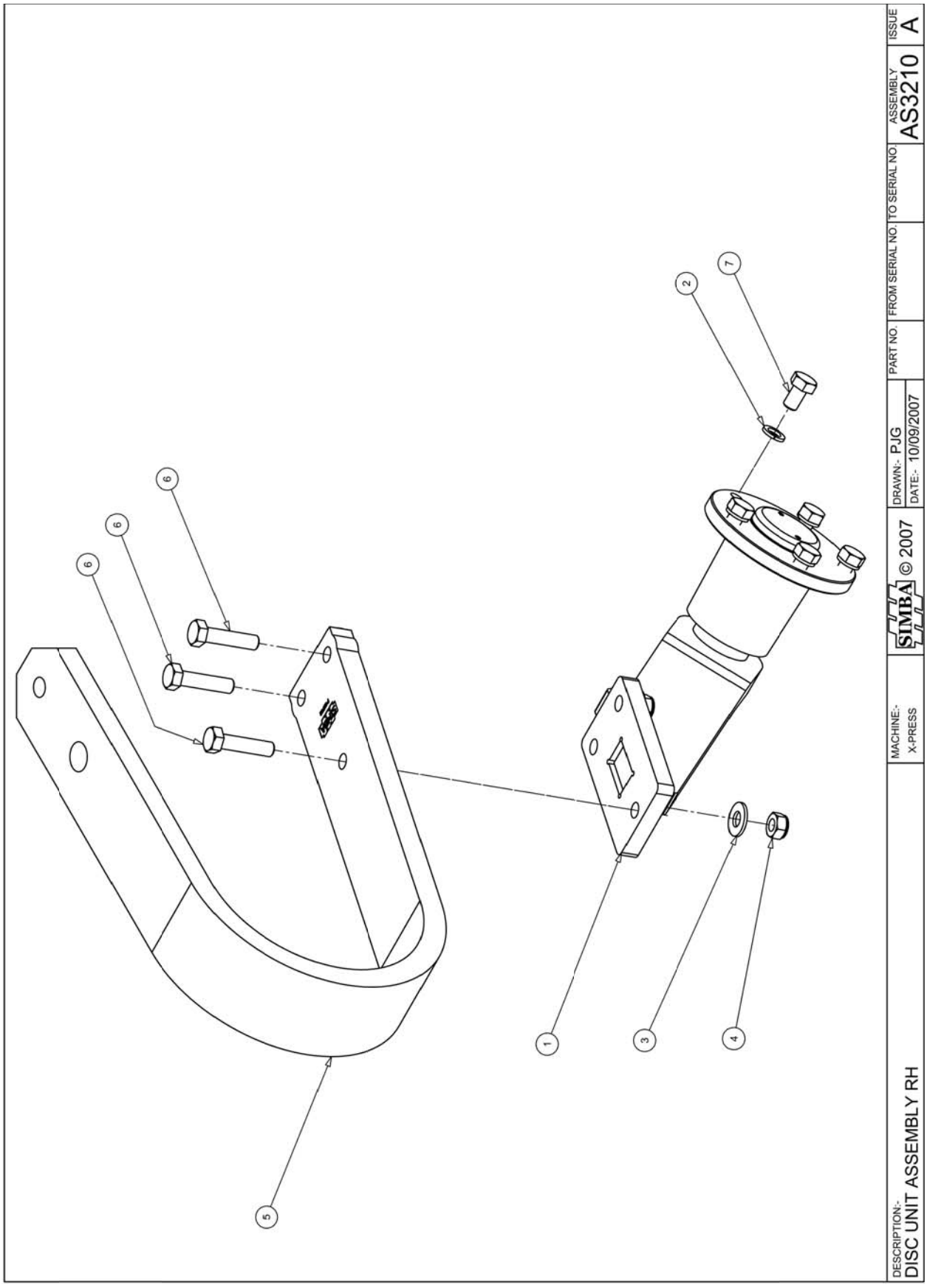
DESCRIPTION:-
DISC UNIT ASSEMBLY RH
MACHINE:-
X-PRESS
SIMBA © 2007
DRAWN:- PJG
DATE:- 10/09/2007
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3210
ISSUE
A
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AS3210		DISC UNIT ASSEMBLY RH		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	AS3129	DISC ARM ASSEMBLY RH	1	P14600
2	P02037	WASHER SPRING M12	5	
3	P02601	WASHER FLAT M12	3	
4	P07229	NUT LOCK M12 FINE 1.5	3	
5	P12782	SPRUNG LEAF 20mm	1	
6	P13174	BOLT M12x50 GR10.9 1.5P	3	
7	P15926	BOLT M12x20 GR8.8x1.25	5	
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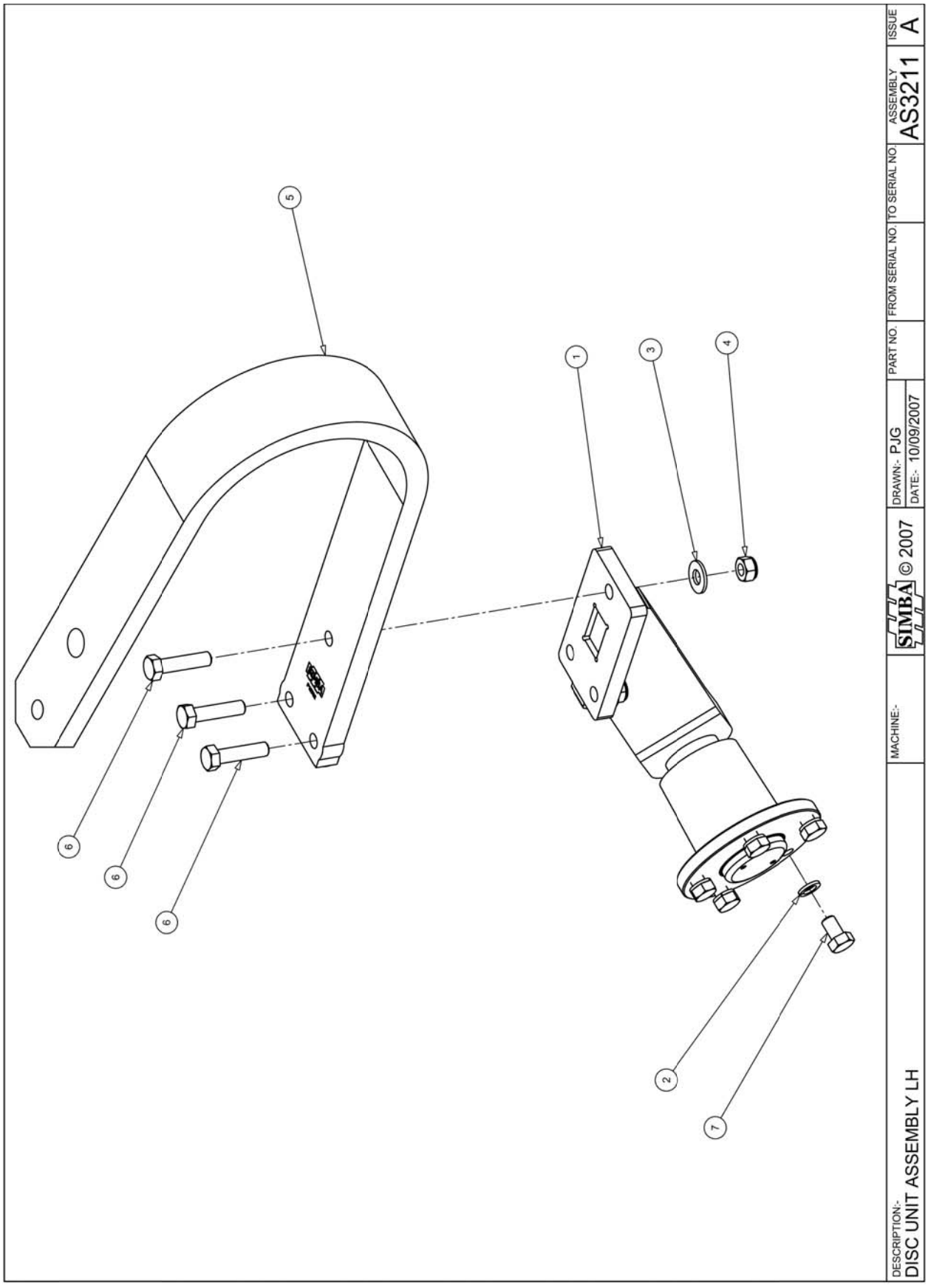
DESCRIPTION:-
DISC UNIT ASSEMBLY LH
MACHINE:-
SIMBA © 2007
DRAWN:- PJG
DATE:- 10/09/2007
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3211
ISSUE
A
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AS3211		DISC UNIT ASSEMBLY LH		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	AS3130	DISC ARM ASSEMBLY LH	1	P14601
2	P02037	WASHER SPRING M12	5	
3	P02601	WASHER FLAT M12	3	
4	P07229	NUT LOCK M12 FINE 1.5	3	
5	P12782	SPRUNG LEAF 20mm	1	
6	P13174	BOLT M12x50 GR10.9 1.5P	3	
7	P15926	BOLT M12x20 GR8.8x1.25	5	
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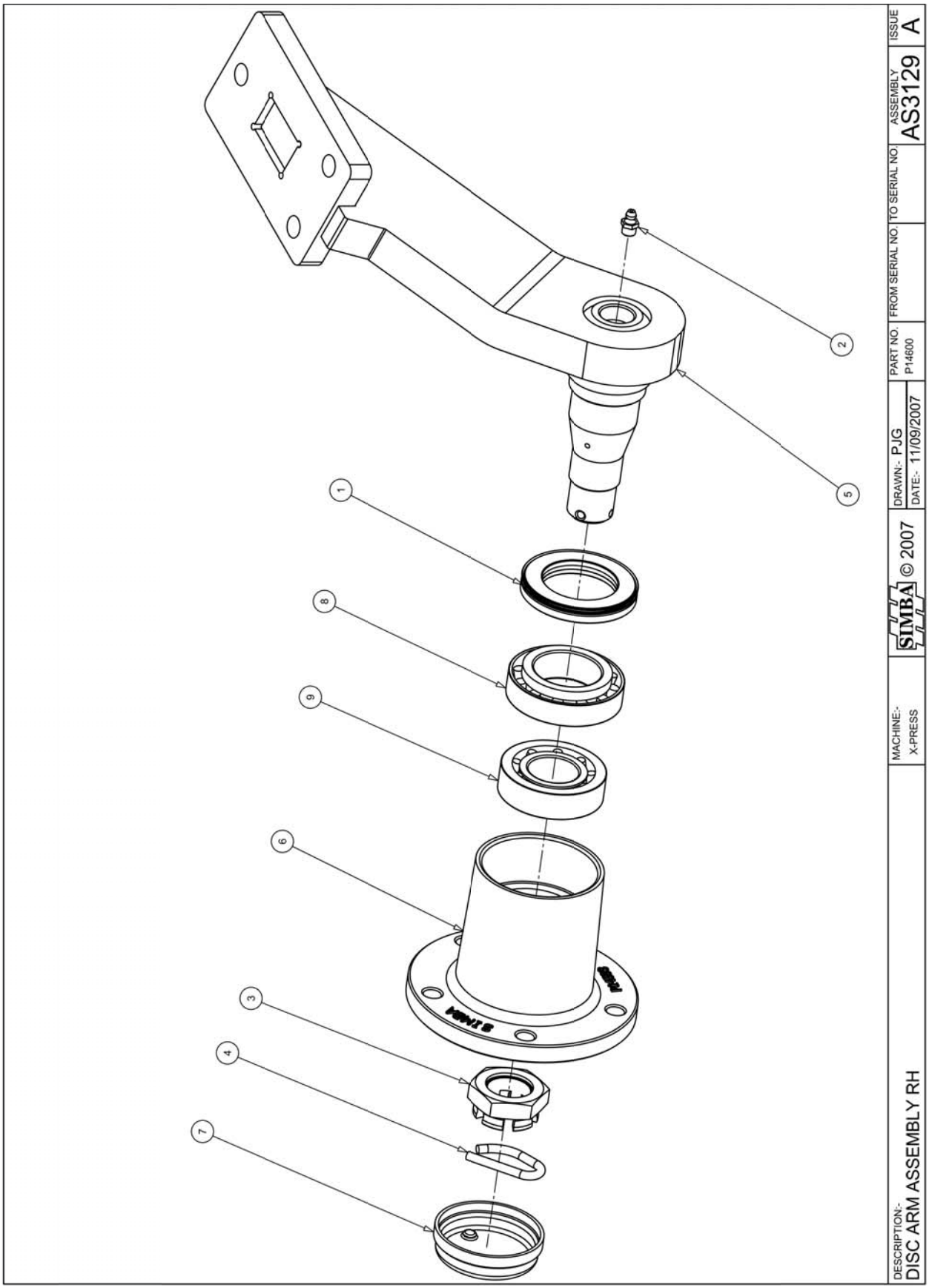
DESCRIPTION:-
DISC ARM ASSEMBLY RH
MACHINE:-
X-PRESS
SIMBA © 2007
DRAWN:- PJG
DATE:- 11/09/2007
PART NO.
P14600
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3129
ISSUE
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AS3129		DISC ARM ASSEMBLY RH		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P12414	SEAL 64x45x9.5	1	NOT AVAILABLE INDIVIDUALY
2	P12900	NIPPLE - GREASE M8	1	
3	P12907	NUT CASTLE M27x1.5	1	
4	P12908	SPRING PIN	1	
5	P14591	DISC ARM RH	1	
6	P14593	HUB CASTING	1	
7	P14594	HUB CAP	1	
8	P14595	BEARING 32008 40x68x19	1	NOT AVAILABLE INDIVIDUALY
9	P14596	BEARING 32206 30x62x21	1	NOT AVAILABLE INDIVIDUALY
10				
11	P12415	BEARING AND SEAL KIT COMPLETE		INCLUDES ITEMS 1,8,9
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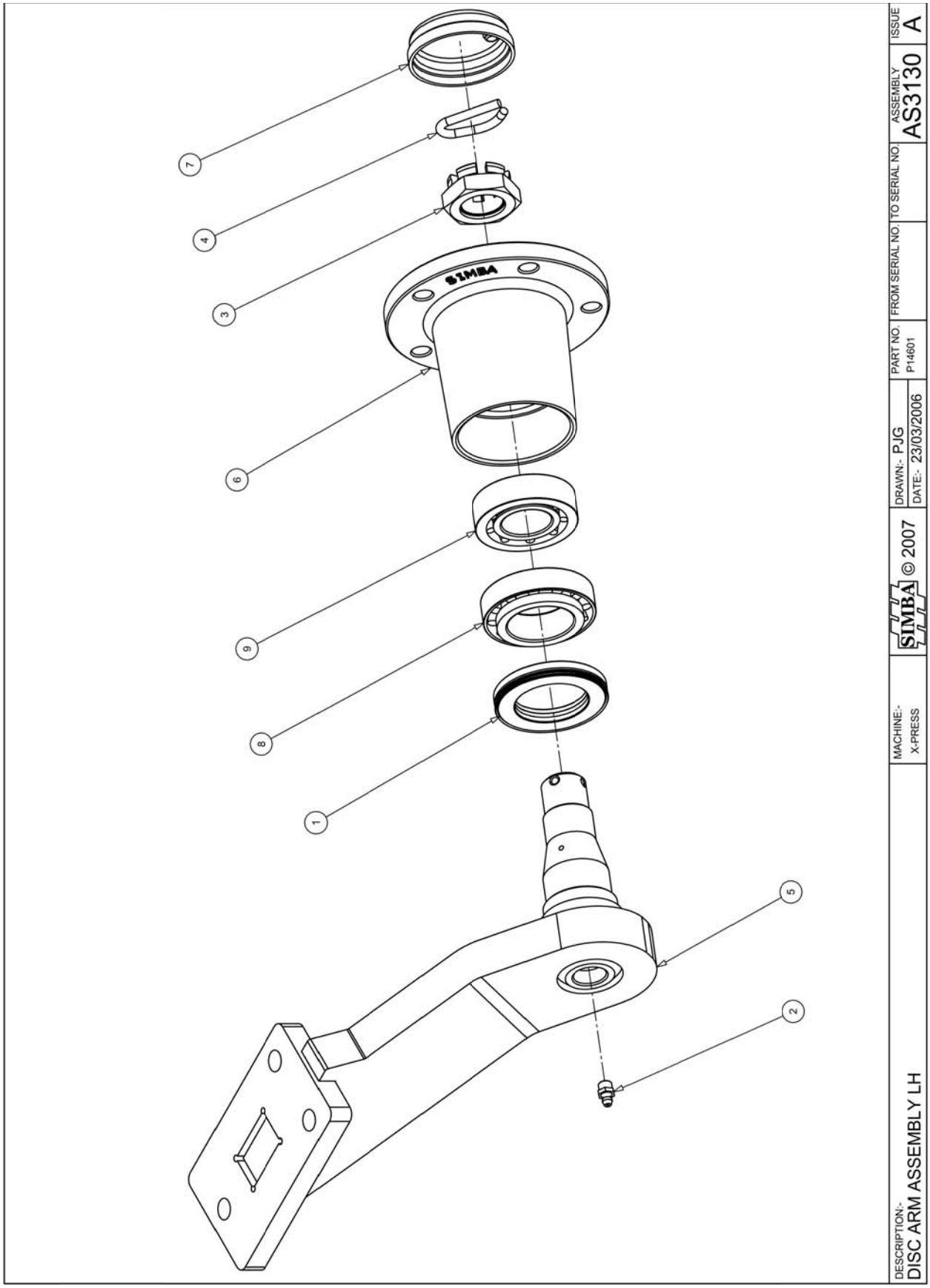
SIMBA
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DESCRIPTION:-
DISC ARM ASSEMBLY LH
MACHINE:-
X-PRESS
SIMBA © 2007
DRAWN:- PJG
DATE:- 23/03/2006
PART NO.
P14601
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3130
ISSUE
A

AS3130		DISC ARM ASSEMBLY LH		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P12414	SEAL 64x45x9.5	1	NOT AVAILABLE INDIVIDUALY
2	P12900	NIPPLE - GREASE M8	1	
3	P12907	NUT CASTLE M27x1.5	1	
4	P12908	SPRING PIN	1	
5	P14592	DISC ARM LH	1	
6	P14593	HUB CASTING	1	
7	P14594	HUB CAP	1	
8	P14595	BEARING 32008 40x68x19	1	NOT AVAILABLE INDIVIDUALY
9	P14596	BEARING 32206 30x62x21	1	NOT AVAILABLE INDIVIDUALY
10				
11	P12415	BEARING AND SEAL KIT COMPLETE		INCLUDES ITEMS 1,8,9
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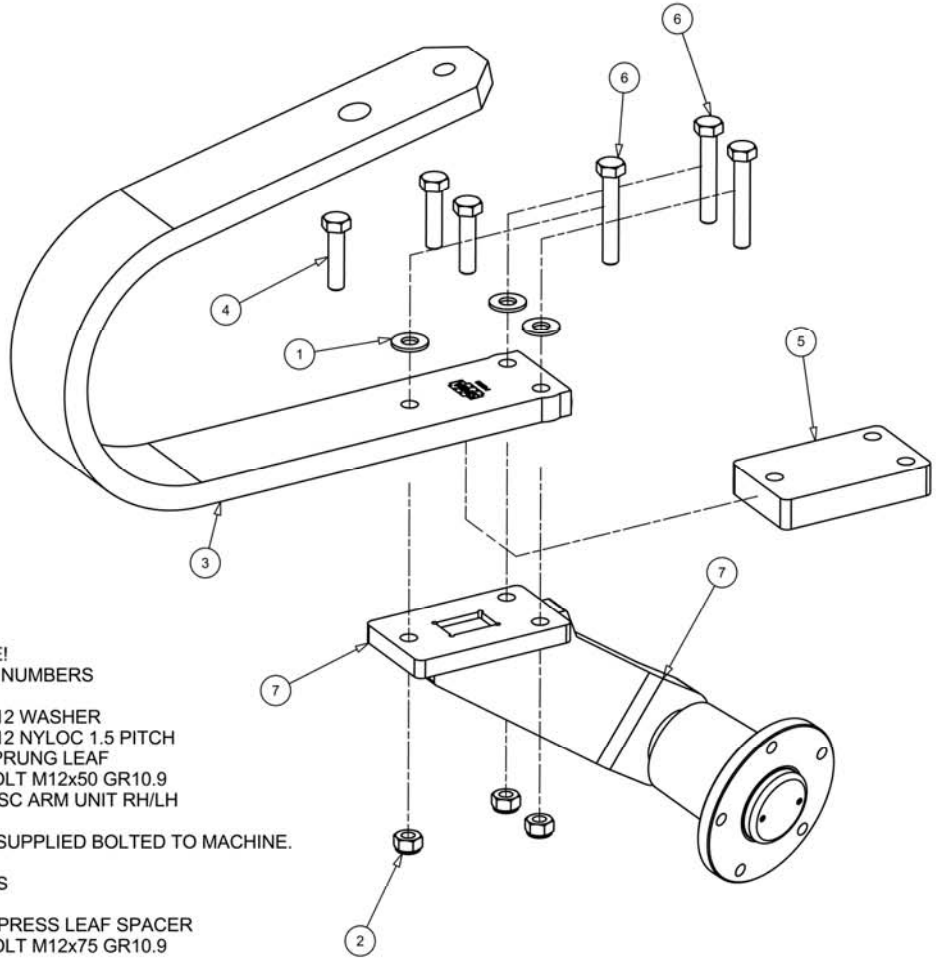
TRACK ERADICATOR KIT TO SUIT MOUNTED X-PRESS SIMBA MACHINES.



NOTE!
ITEM NUMBERS

1 - M12 WASHER
2 - M12 NYLOC 1.5 PITCH
3 - SPRUNG LEAF
4 - BOLT M12x50 GR10.9
7 - DISC ARM UNIT RH/LH

ARE SUPPLIED BOLTED TO MACHINE.

ITEMS

5 - X-PRESS LEAF SPACER
6 - BOLT M12x75 GR10.9

ARE SUPPLIED LOOSE IN THIS KIT

KIT CONTENTS AS SUPPLIED (SEE AS3294)			
ITEM	PART NO	DESCRIPTION	QTY
5	P13177	X-PRESS LEAF SPACER	2
6	P13178	BOLT M12x75 GR. 10.9 FINE THREAD	6

INSTRUCTIONS:

CHOOSE POSITON ON MACHINE WHERE TRACK ERADICATION IS REQUIRED.
REMOVE THE DISC BLADE FROM APPROPRIATE HUBS, 5 x M12 BOLTS.

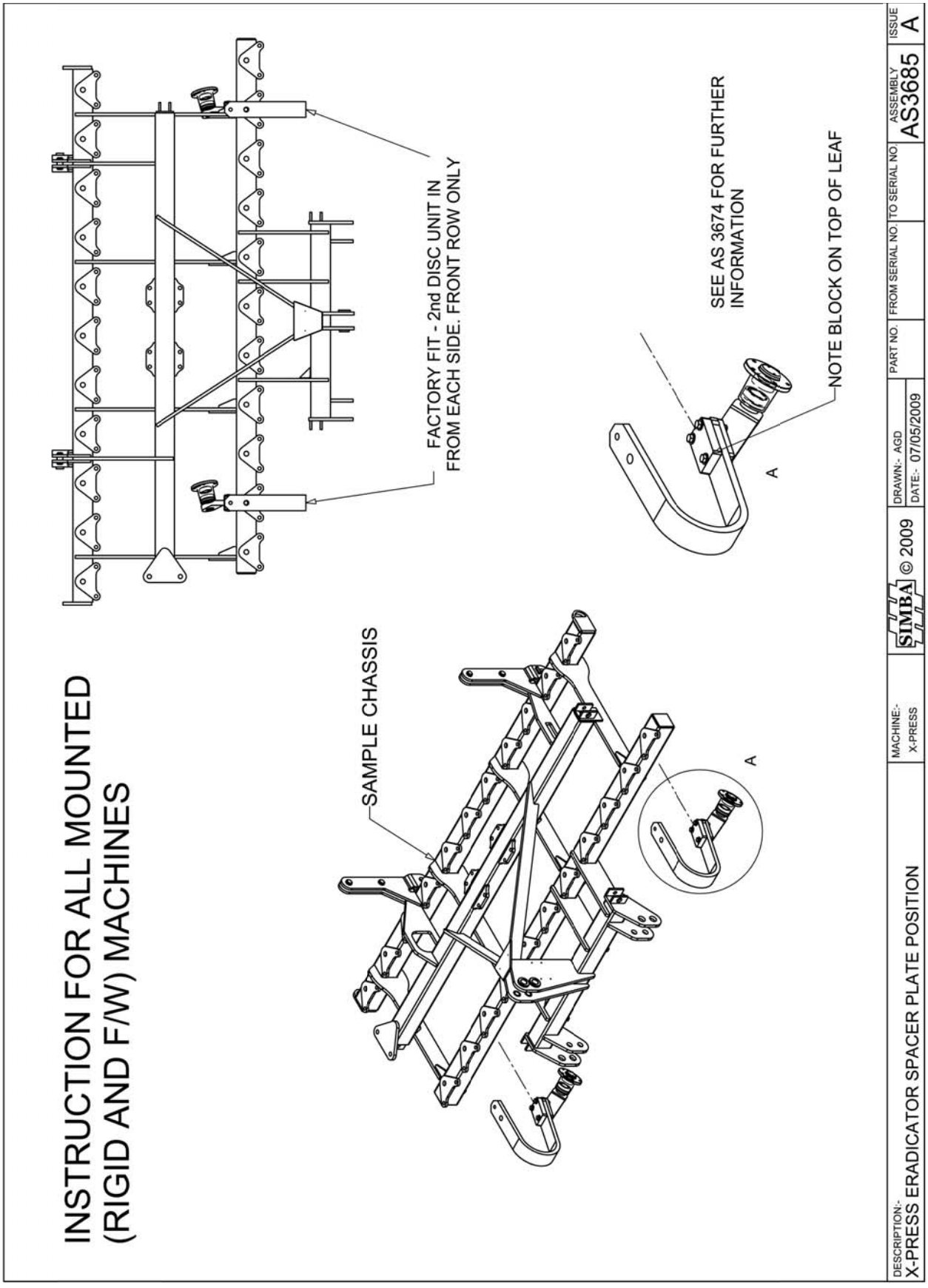
DETACH HUB FROM LEAF, 3 x M12 BOLTS (ITEM 4) AND DISCARD.
PLACE SPACER PLATE BETWEEN TOP FACE OF HUB MOUNT AND
UNDERSIDE OF SPRUNG LEAF.

USING ITEMS 6, M12x75 BOLTS, RE-ATTACH HUB TO LEAF. NOTE
WASHER ONLY USED ON UNDERSIDE OF BOLT HEAD, NO WASHER
FITTED TO UNDERSIDE OF NUT.

FULLY TIGHTEN ALL 3 BOLTS. RE-ATTACH DISC BLADE AND FULLY
TIGHTEN ALL 5 BOLTS.

FOR FURTHER INFORMATION PLEASE CONTACT YOUR SIMBA DEALER.

DESCRIPTION:-	MACHINE:-		DRAWN:- AGD	PART NO.	FROM SERIAL NO.	TO SERIAL NO.	ASSEMBLY	ISSUE
ERADICATOR PLATE ASSEMBLY INSTRUCTIONS	X-PRESS	SIMBA © 2009	DATE:- 19/02/2009				AS3674	A


INSTRUCTION FOR ALL MOUNTED
(RIGID AND F/W) MACHINES
FACTORY FIT - 2nd DISC UNIT IN
FROM EACH SIDE. FRONT ROW ONLY
SEE AS 3674 FOR FURTHER
INFORMATION
NOTE BLOCK ON TOP OF LEAF
A
SAMPLE CHASSIS
A
DESCRIPTION:-
X-PRESS ERADICATOR SPACER PLATE POSITION
MACHINE:-
X-PRESS
SIMBA © 2009
DRAWN:- AGD
DATE:- 07/05/2009
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3685
ISSUE
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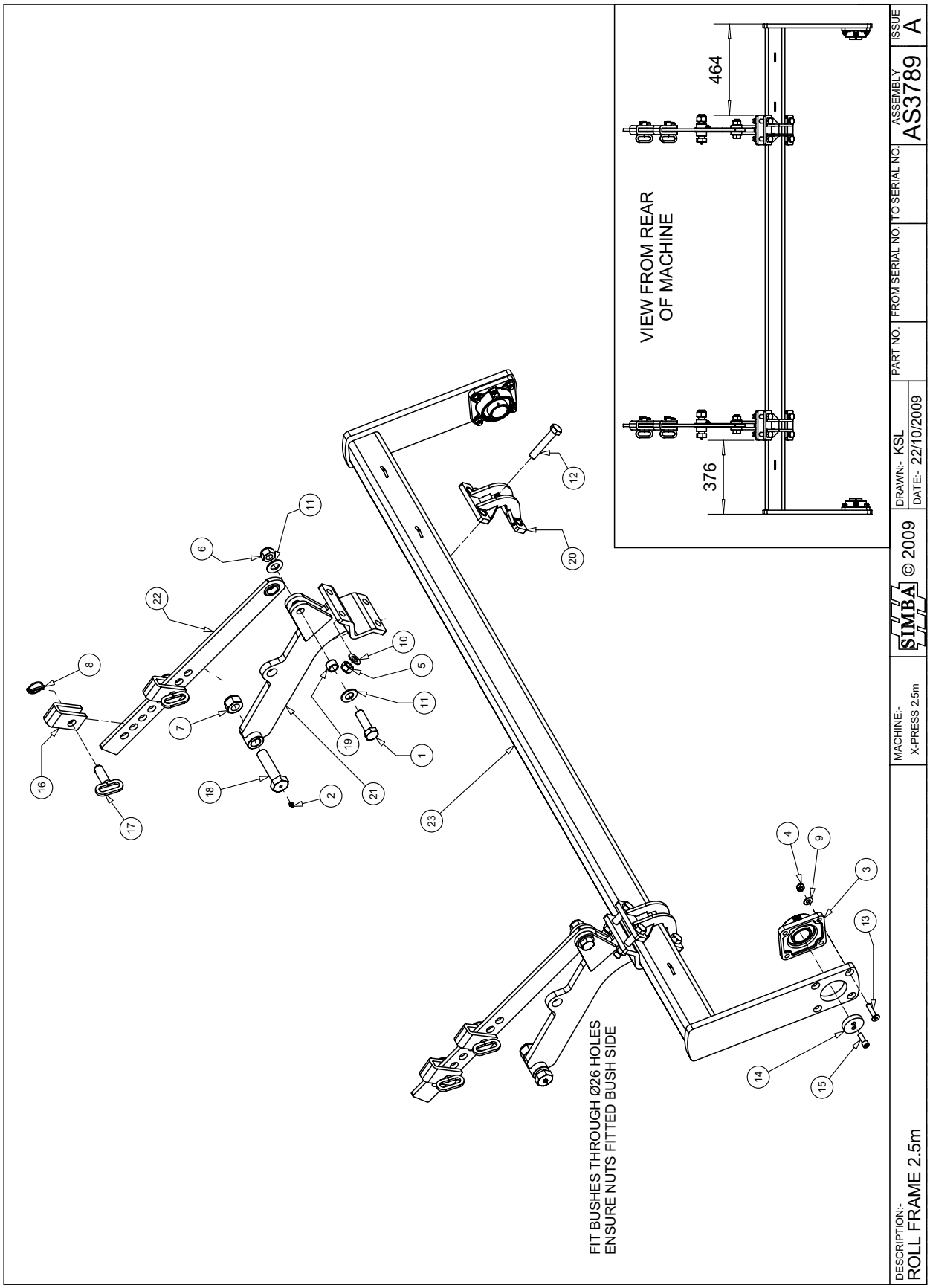
VIEW FROM REAR
OF MACHINE
464
376
FIT BUSHES THROUGH Ø26 HOLES
ENSURE NUTS FITTED BUSH SIDE
DESCRIPTION:-
ROLL FRAME 2.5m
MACHINE:-
X-PRESS 2.5m
SIMBA © 2009
DRAWN:- KSL
DATE:- 22/10/2009
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3789
ISSUE
A

AS3789		ROLL FRAME 2.5m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P00014	BOLT M24x80 GR. 8.8	2	
2	P00071	NIPPLE - GREASE	2	
3	P01834	BEARING COMPLETE	2	
4	P02007	NUT LOCK M12	8	
5	P02009	NUT LOCK M20	8	
6	P02010	NUT LOCK M24	2	
7	P02011	NUT LOCK M30	2	
8	P02483	LYNCH PIN CAT 1	4	
9	P02601	WASHER FLAT M12	8	
10	P02603	WASHER FLAT M20	8	
11	P02604	WASHER FLAT M24 Ø50	4	
12	P03734	BOLT M20x110 GR. 8.8	8	
13	P05030	SCREW M12x55 CSK GR10.9	8	
14	P12758	STUB AXLE END WASHER Ø50	2	
15	P12950	BOLT M12x35 SOCKET CAP	4	
16	P13107	STOP PLATE	4	
17	P13108	PIN Ø25x65	4	
18	P13109	BOLT M30x120/43 GRS GR. 8.8	2	
19	P14141	BUSH Ø31.5 x Ø24.5 x20	2	
20	P15837	CLAMP PLATE	2	
21	P17270	ROLL ARM	2	
22	P17303	ROLL ARM	2	
23	P17326	ROLL FRAME 2450mm	1	
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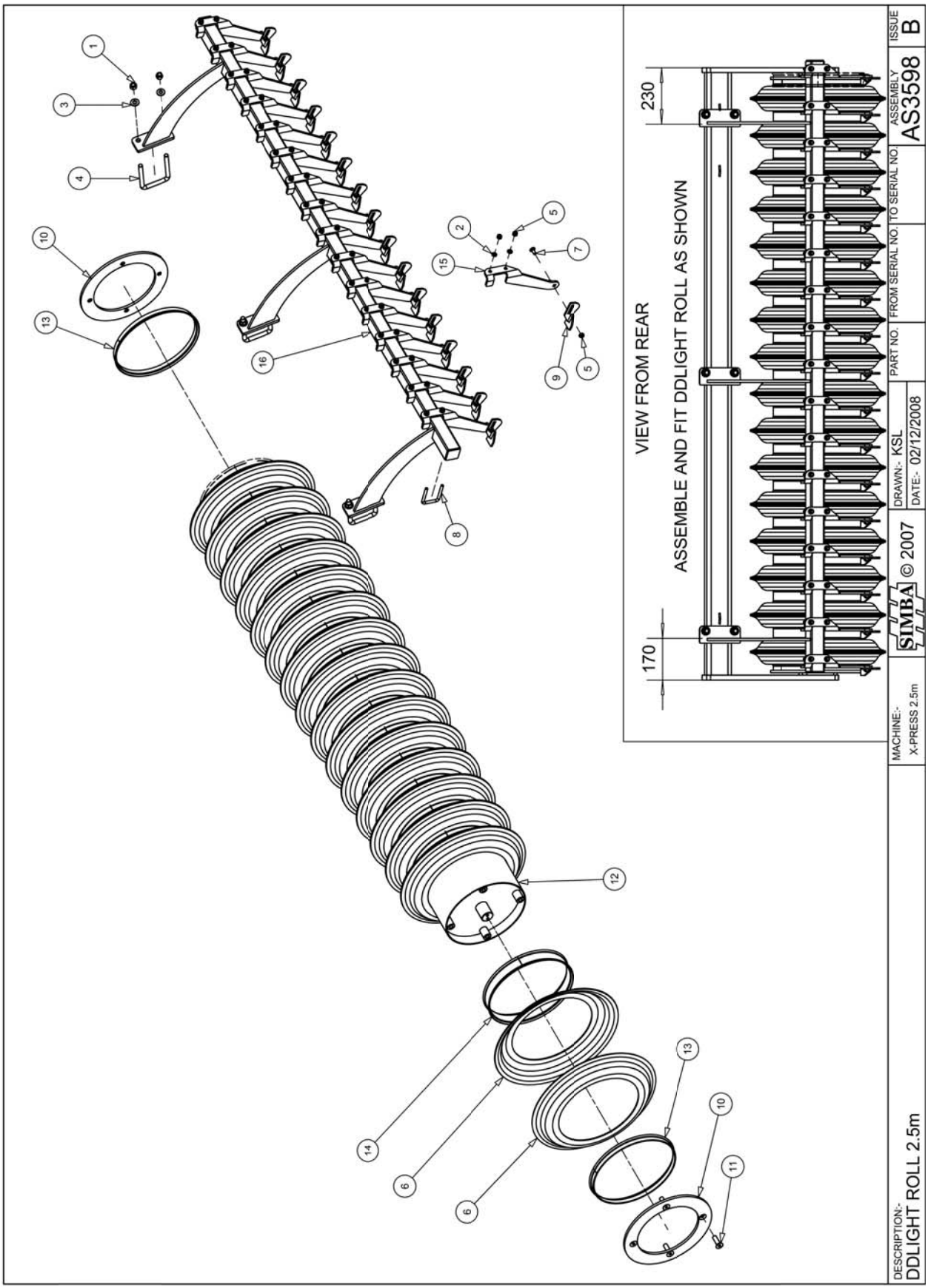
VIEW FROM REAR
ASSEMBLE AND FIT DDLIGHT ROLL AS SHOWN
230
170
DESCRIPTION:-
DDLIGHT ROLL 2.5m
MACHINE:-
X-PRESS 2.5m
SIMBA © 2007
DRAWN:- KSL
DATE:- 02/12/2008
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3598
ISSUE
B

AS3598		DDLIGHT ROLL 2.5m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P02008	NUT LOCK M16 'TYPE T'	6	
2	P02600	WASHER FLAT M10	34	
3	P02602	WASHER FLAT M16	6	
4	P03704	BOLT U M16 GR8.8 145x117	3	
5	P05534	NUT LOCK M10	51	
6	P12959	RING DDL550 - Ø358	32	
7	P13942	BOLT M10x25 DOME SQ.	17	
8	P13961	BOLT U M10 GR8.8 71x88	17	
9	P15085	SCRAPER PLATE	17	
10	P15130	RING - RETAINING	2	
11	P15148	SCREW M16x50 GR10.9 CSK	8	
12	P15829	ROLL TUBE 2442mm	1	
13	P15912	SPACER 27mm DDL	2	
14	P15913	SPACER 56mm DDL	15	
15	P16473	STEM - SCRAPER DDL600 CB	17	
16	P16699	2.5M SCRAPER RAIL H	1	
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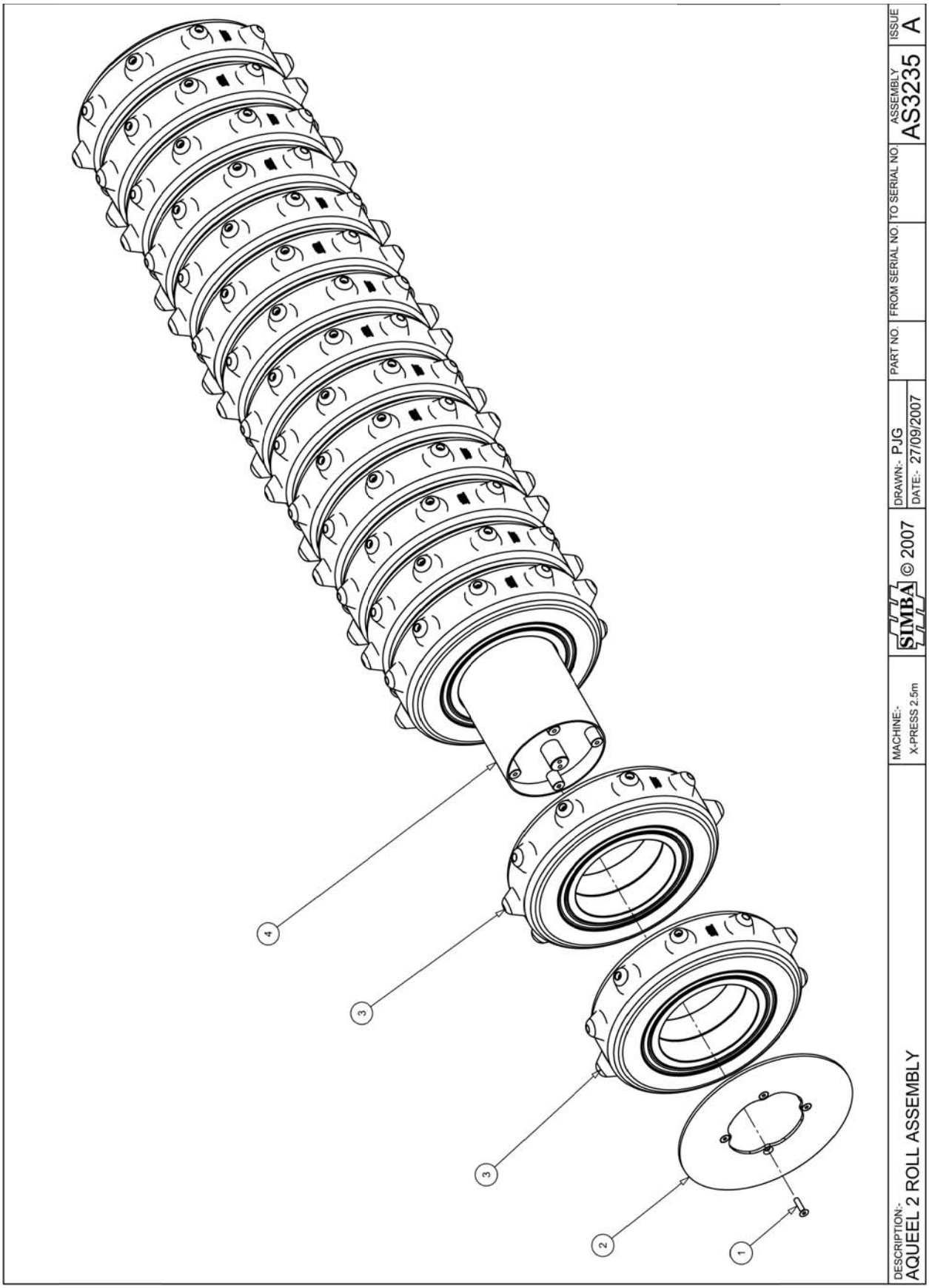
DESCRIPTION:-
AQUEEL 2 ROLL ASSEMBLY
MACHINE:-
X-PRESS 2.5m
SIMBA © 2007
DRAWN:- PJG
DATE:- 27/09/2007
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3235
ISSUE
A
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3
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1

AS3235		AQUEEL 2 ROLL ASSEMBLY - 2.5m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P10944	SCREW M12x50 GR10.9 CSK	8	
2	P13548	RING - RETAINING	2	
3	P14815	AQUEEL 2 WHEEL - 150mm	16	
4	P15920	ROLL TUBE CCR 2442mm	1	
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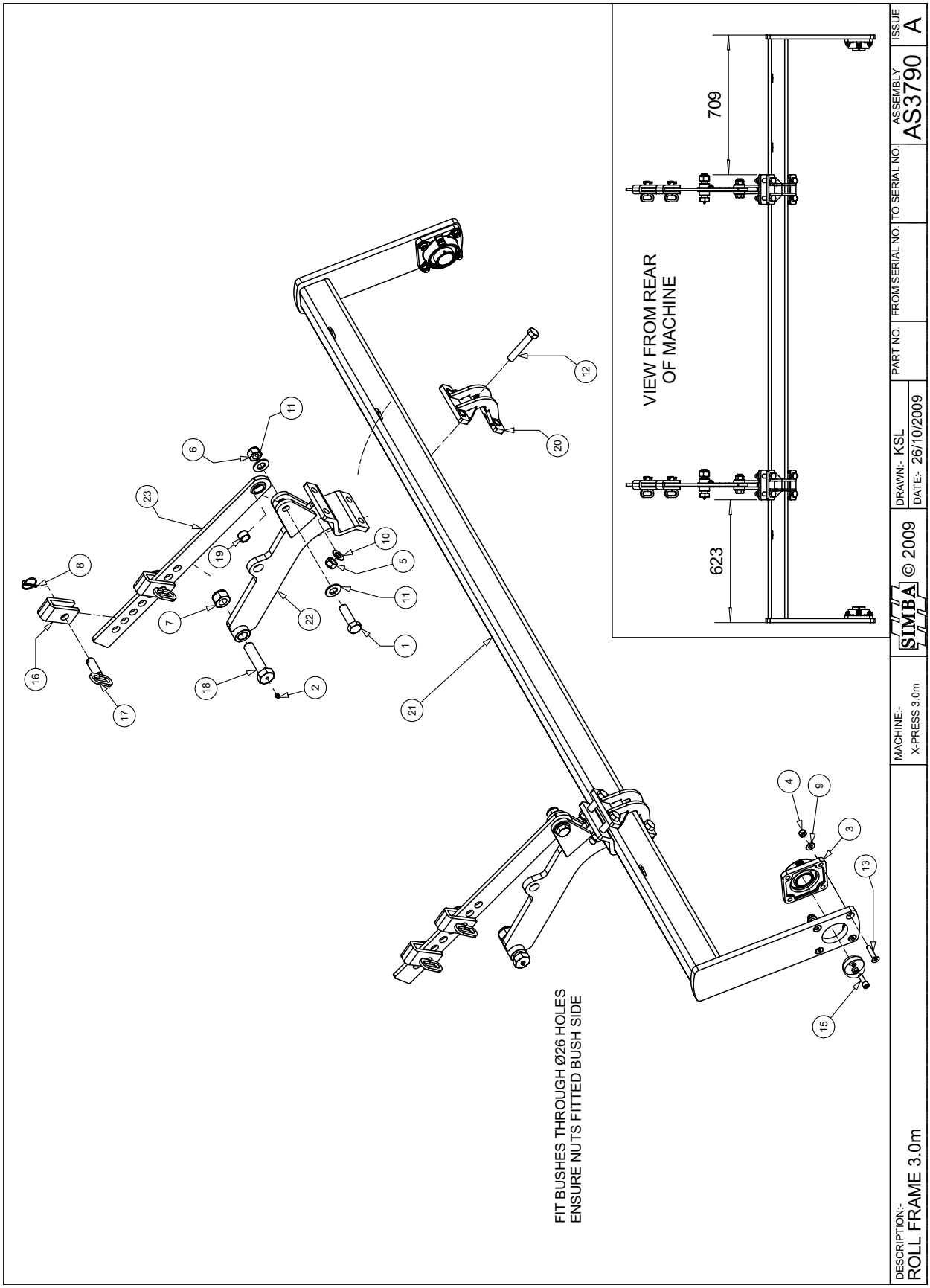
VIEW FROM REAR
OF MACHINE
709
623
FIT BUSHES THROUGH Ø26 HOLES
ENSURE NUTS FITTED BUSH SIDE
DESCRIPTION:-
ROLL FRAME 3.0m
MACHINE:-
X-PRESS 3.0m
SIMBA © 2009
DRAWN:- KSL
DATE:- 26/10/2009
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3790
ISSUE
A

	AS3790	ROLL FRAME ASSEMBLY 3.0m		
1	P00014	BOLT M24x80 GR. 8.8	2	
2	P00071	NIPPLE - GREASE	2	
3	P01834	BEARING - COMPLETE	2	
4	P02007	NUT LOCK M12	8	
5	P02009	NUT LOCK M20	8	
6	P02010	NUT LOCK M24	2	
7	P02011	NUT LOCK M30	2	
8	P02483	LYNCH PIN CAT 1	4	
9	P02601	WASHER FLAT M12	8	
10	P02603	WASHER FLAT M20	8	
11	P02604	WASHER FLAT M24 Ø50	4	
12	P03734	BOLT M20x110 GR. 8.8	8	
13	P05030	SCREW M12x55 CSK GR10.9	8	
14	P12758	STUB AXLE END WASHER Ø50	2	
15	P12950	BOLT M12x35 SOCKET CAP	4	
16	P13107	STOP PLATE	4	
17	P13108	PIN Ø25x65	4	
18	P13109	BOLT M30x120/43 GRS GR. 8.8	2	
19	P14141	BUSH Ø31.5 x Ø24.5 x20	2	
20	P15837	CLAMP PLATE	2	
21	P16451	ROLL FRAME 2940mm	1	
22	P17270	ROLL ARM	2	
23	P17303	ROLL ARM	2	
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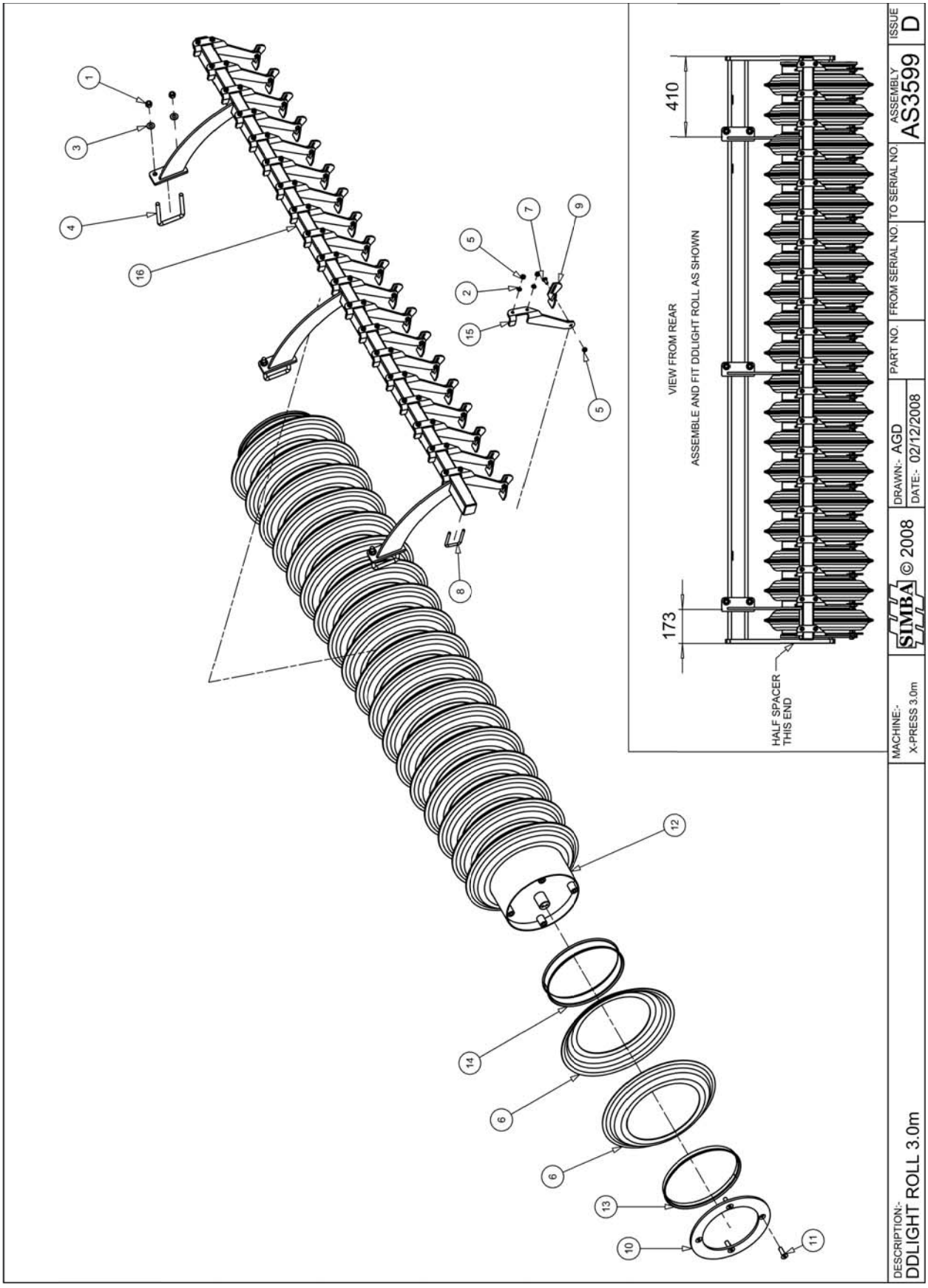
VIEW FROM REAR
ASSEMBLE AND FIT DDLIGHT ROLL AS SHOWN
410
173
HALF SPACER THIS END
DESCRIPTION:- DDLIGHT ROLL 3.0m
MACHINE:- X-PRESS 3.0m
SIMBA © 2008
DRAWN:- AGD
DATE:- 02/12/2008
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY AS3599
ISSUE D

	AS3599	DD LIGHT ROLL 3.0m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P02008	NUT LOCK M16 'TYPE T'	6	
2	P02600	WASHER FLAT M10	40	
3	P02602	WASHER FLAT M16	6	
4	P03704	BOLT U M16 GR8.8 145x117	3	
5	P05534	NUT LOCK M10	60	
6	P12959	RING DDL550 - Ø358	38	
7	P13942	BOLT M10x25 DOME SQ.	20	
8	P13961	BOLT U M10 GR8.8 71x88	20	
9	P15085	SCRAPER PLATE	20	
10	P15130	RING - RETAINING	2	
11	P15148	SCREW M16x50 GR10.9 CSK	8	
12	P15830	ROLL TUBE 2942mm	1	
13	P15912	SPACER 27mm DDL	1	
14	P15913	SPACER 56mm DDL	19	
15	P16473	STEM - SCRAPER DDL600 CB	20	
16	P16644	3M SCRAPER RAIL H	1	
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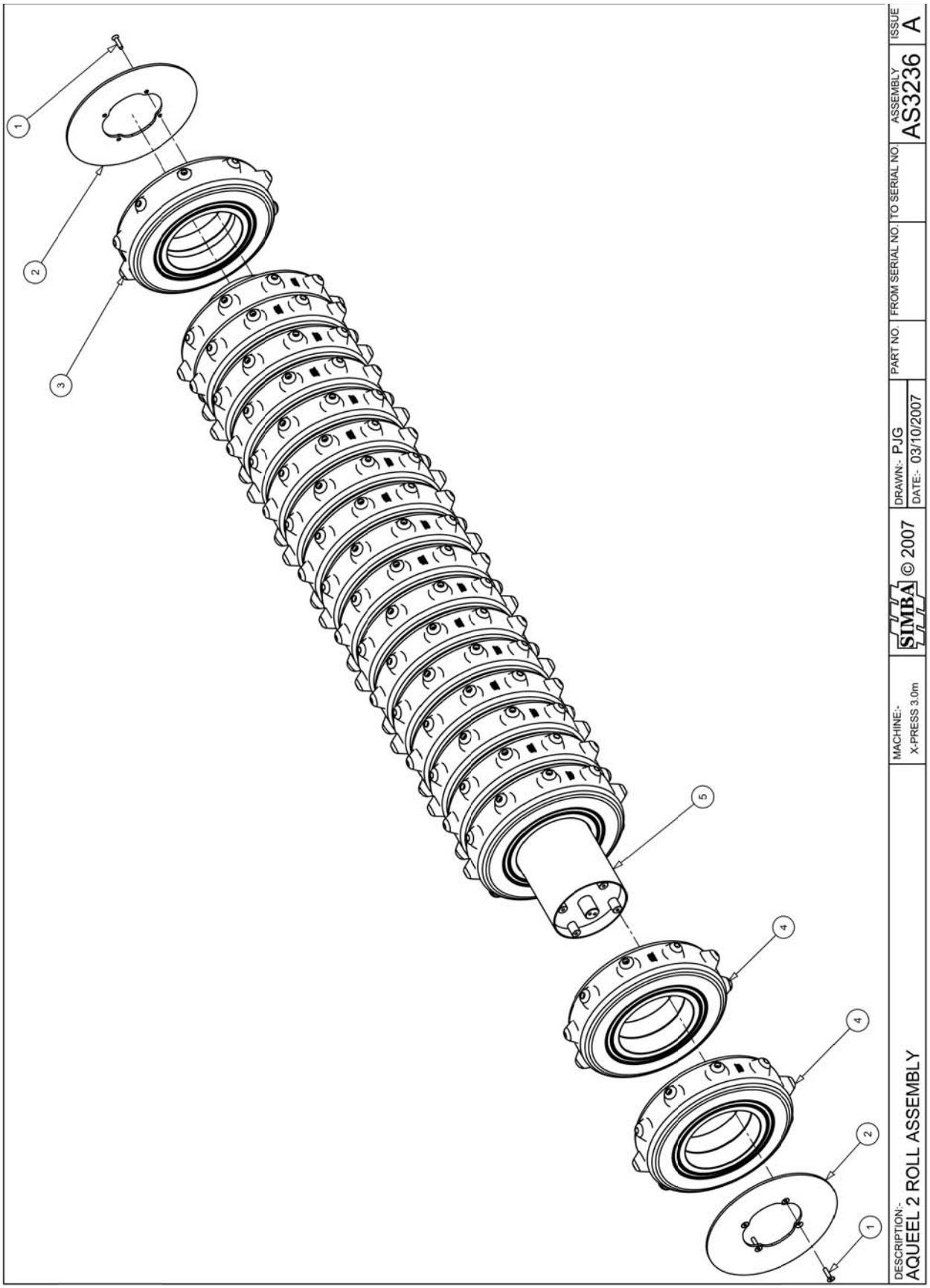
DESCRIPTION:-
AQUEEL 2 ROLL ASSEMBLY
MACHINE:-
X-PRESS 3.0m
SIMBA © 2007
DRAWN:- PJG
DATE:- 03/10/2007
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3236
ISSUE
A

AS3236		AQUEEL 2 ROLL ASSEMBLY - 3.0m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P10944	SCREW M12x50 GR10.9 CSK	8	
2	P13548	RING - RETAINING	2	
3	P14810	AQUEEL 2 WHEEL - 125mm	1	
4	P14815	AQUEEL 2 WHEEL - 150mm	19	
5	P14958	ROLL TUBE - 2900mm	1	
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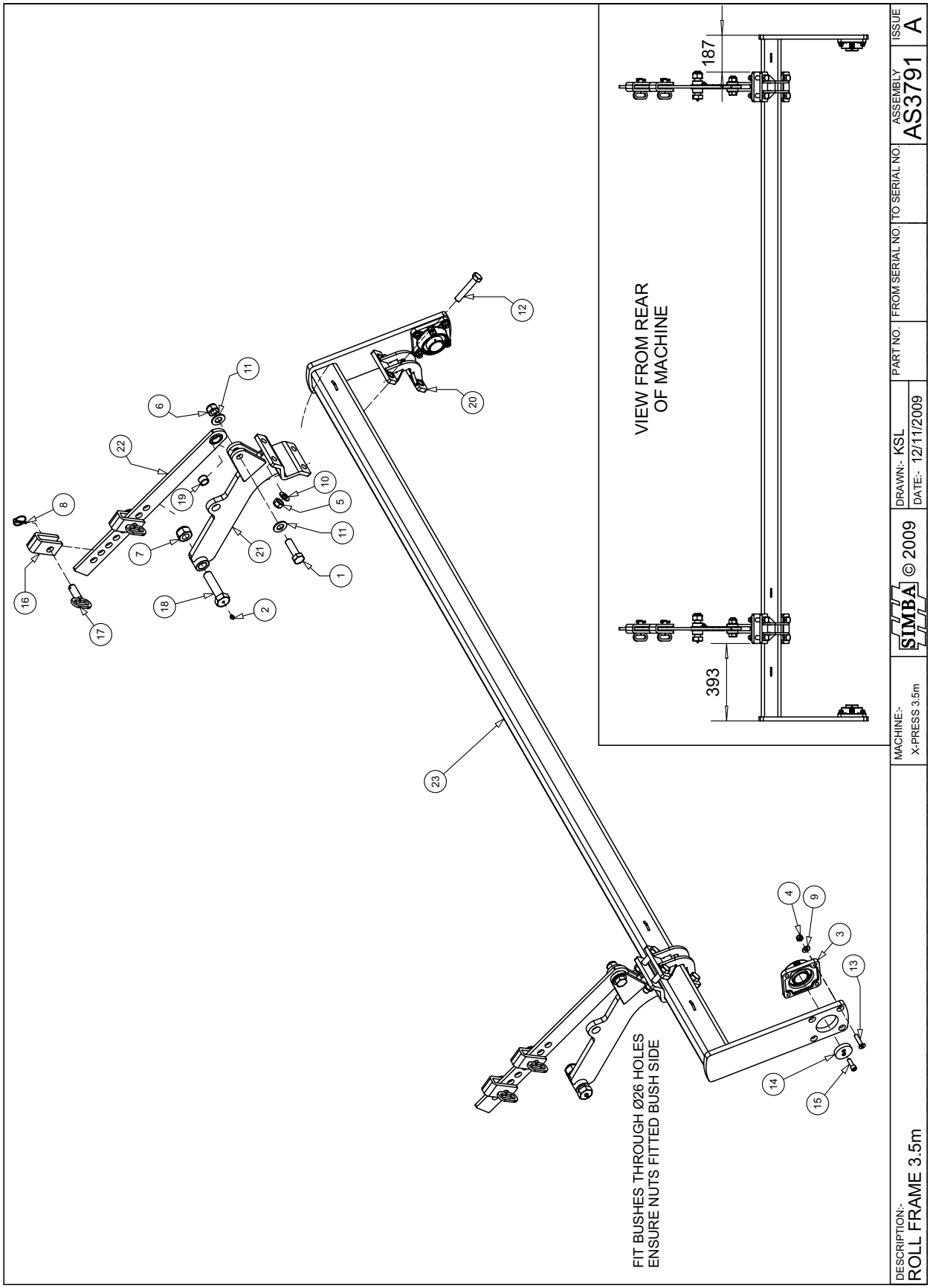
VIEW FROM REAR
OF MACHINE
187
393
FIT BUSHES THROUGH Ø26 HOLES
ENSURE NUTS FITTED BUSH SIDE
DESCRIPTION:-
ROLL FRAME 3.5m
MACHINE:-
X-PRESS 3.5m
SIMBA © 2009
DRAWN:- KSL
DATE:- 12/11/2009
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3791
ISSUE
A

AS3791		ROLL FRAME 3.5m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P00014	BOLT M24x80 GR. 8.8	2	
2	P00071	NIPPLE - GREASE	2	
3	P01834	BEARING - COMPLETE	2	
4	P02007	NUT LOCK M12	8	
5	P02009	NUT LOCK M20	8	
6	P02010	NUT LOCK M24	2	
7	P02011	NUT LOCK M30	2	
8	P02483	LYNCH PIN CAT 1	4	
9	P02601	WASHER FLAT M12	8	
10	P02603	WASHER FLAT M20	8	
11	P02604	WASHER FLAT M24 Ø50	4	
12	P03734	BOLT M20x110 GR. 8.8	8	
13	P05030	SCREW M12x55 CSK GR10.9	8	
14	P12758	STUB AXLE END WASHER Ø50	2	
15	P12950	BOLT M12x35 SOCKET CAP	4	
16	P13107	STOP PLATE	4	
17	P13108	PIN Ø25x65	4	
18	P13109	BOLT M30x120/43 GRS GR. 8.8	2	
19	P14141	BUSH Ø31.5 x Ø24.5 x20	2	
20	P15837	CLAMP PLATE	2	
21	P17270	ROLL ARM	2	
22	P17303	ROLL ARM	2	
23	P17327	ROLL FRAME 3440mm	1	
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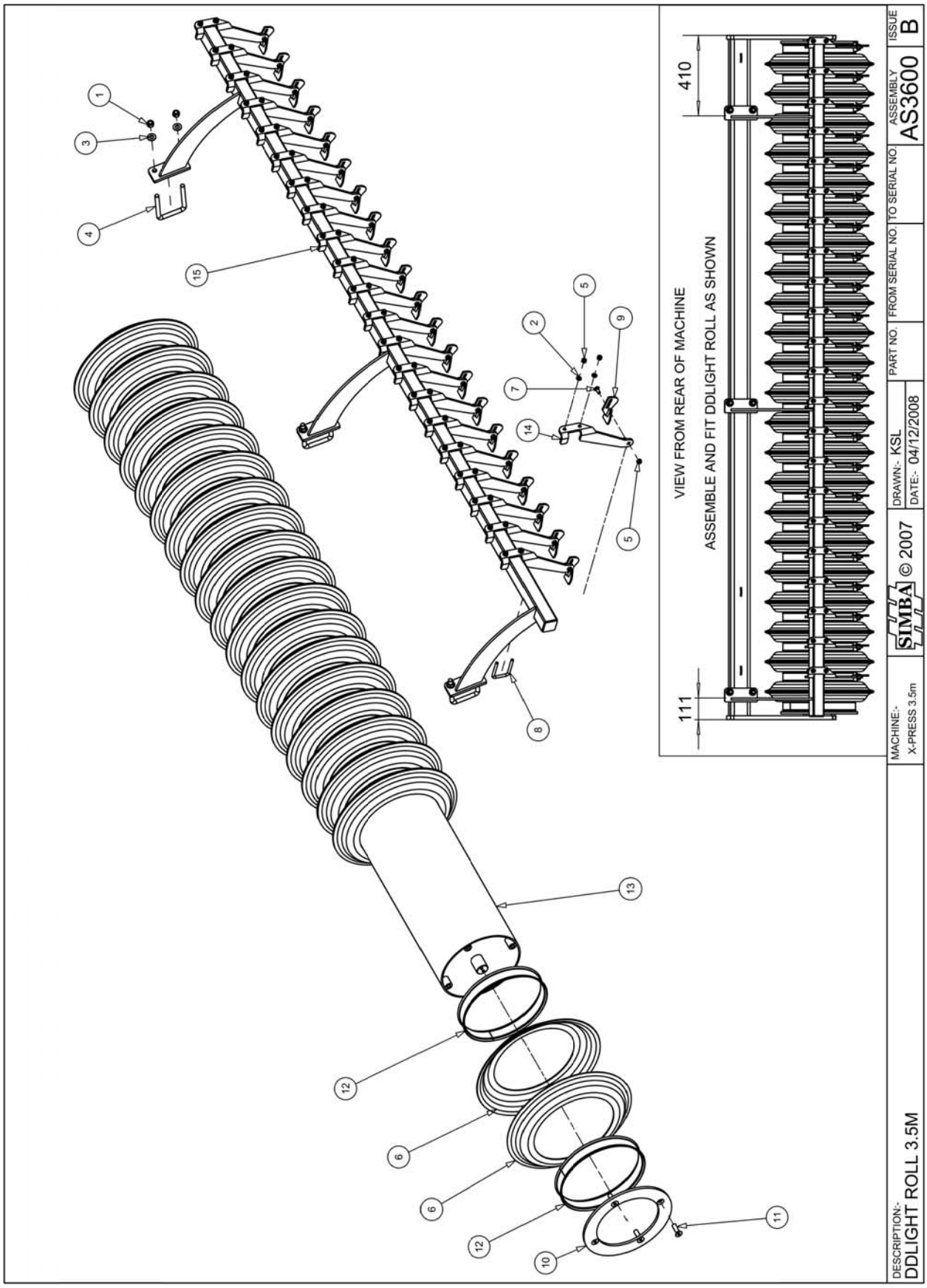
VIEW FROM REAR OF MACHINE
ASSEMBLE AND FIT DDLIGHT ROLL AS SHOWN
410
111
DESCRIPTION:-
DDLIGHT ROLL 3.5M
MACHINE:-
X-PRESS 3.5m
SIMBA © 2007
DRAWN:- KSL
DATE:- 04/12/2008
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3600
ISSUE
B

AS3600		DDLIGHT ROLL 3.5m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P02008	NUT LOCK M16 'TYPE T'	6	
2	P02600	WASHER FLAT M10	44	
3	P02602	WASHER FLAT M16	6	
4	P03704	BOLT U M16 GR8.8 145x117	3	
5	P05534	NUT LOCK M10	66	
6	P12959	RING DDL550 - Ø358	44	
7	P13942	BOLT M10x25 DOME SQ.	22	
8	P13961	BOLT U M10 GR8.8 71x88	22	
9	P15085	SCRAPER PLATE	22	
10	P15130	RING - RETAINING	2	
11	P15148	SCREW M16x50 GR10.9 CSK	8	
12	P15913	SPACER 56mm DDL	23	
13	P16271	ROLL TUBE 3440mm	1	
14	P16473	STEM - SCRAPER DDL600 CB	22	
15	P16700	3.5M SCRAPER RAIL H	1	
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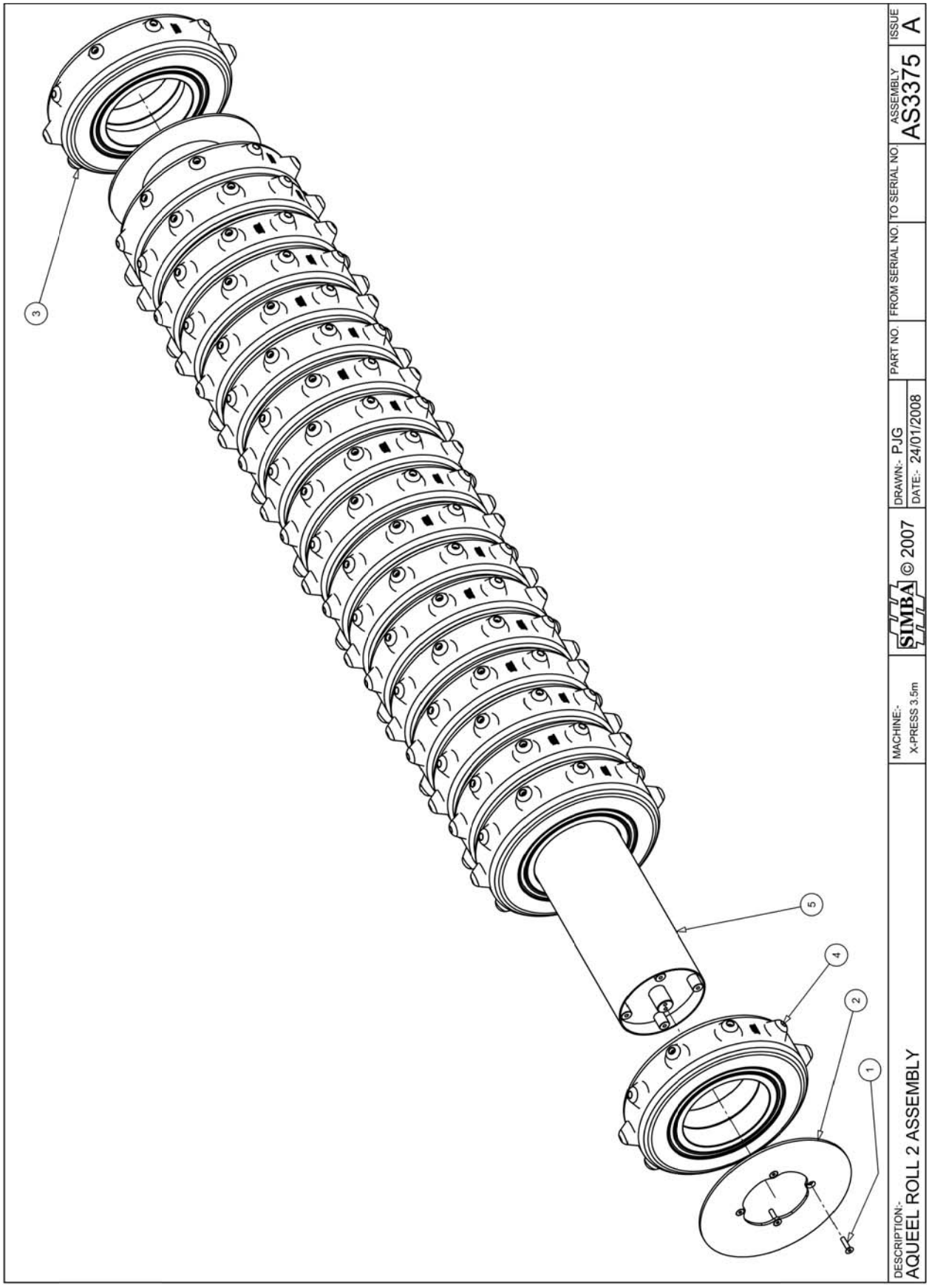
3
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1
DESCRIPTION:-
AQUEEL ROLL 2 ASSEMBLY
MACHINE:-
X-PRESS 3.5m
SIMBA © 2007
DRAWN:- PJG
DATE:- 24/01/2008
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3375
ISSUE
A

AS3375		AQUEEL 2 ROLL 3.5m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P10944	SCREW M12x50 GR10.9 CSK	8	
2	P13548	RING - RETAINING	2	
3	P14810	AQUEEL 2 WHEEL - 125mm	2	
4	P14815	AQUEEL 2 WHEEL - 150mm	21	
5	P16274	ROLL TUBE CCR 3440mm	1	
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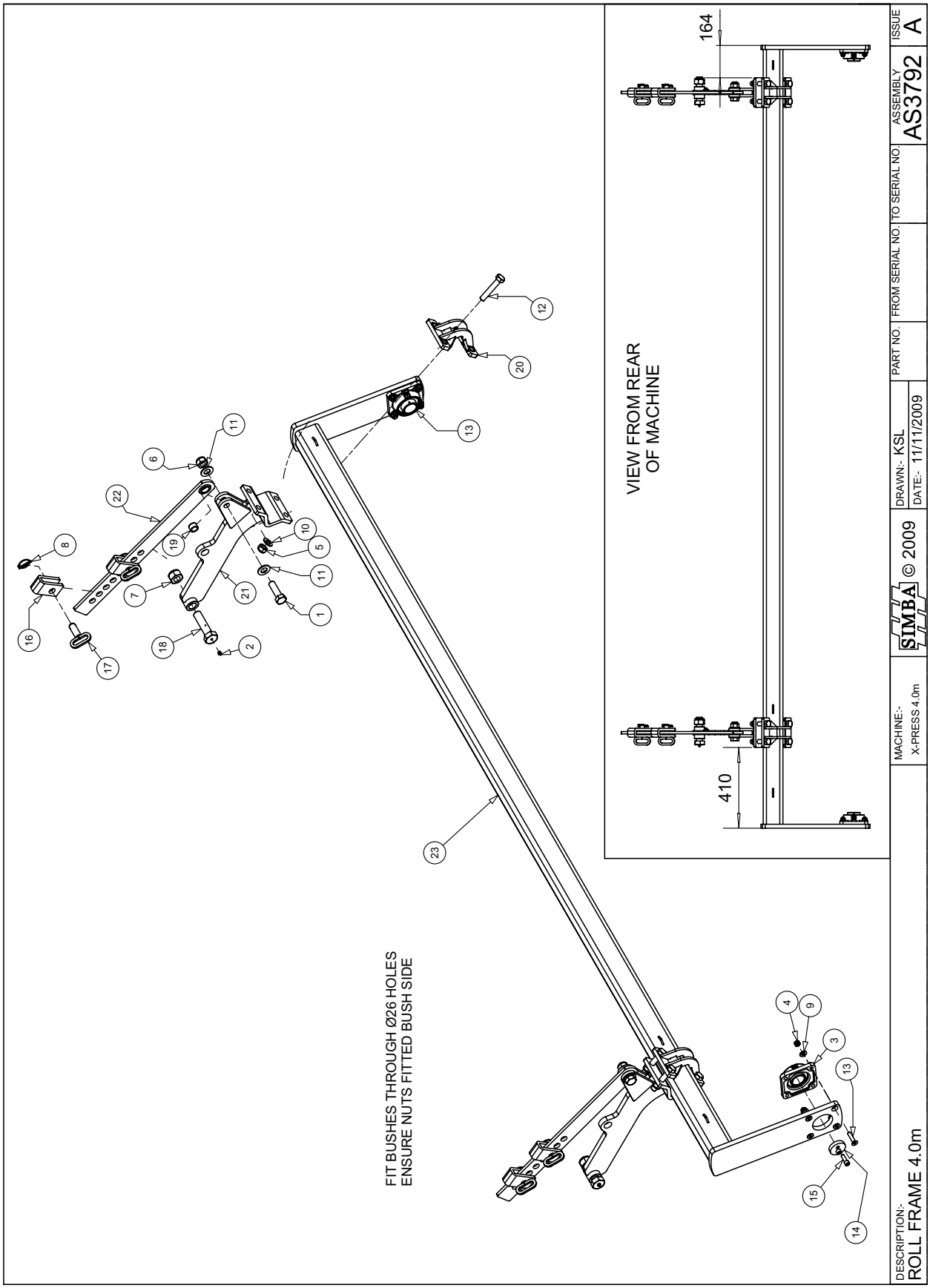
VIEW FROM REAR
OF MACHINE
164
410
FIT BUSHES THROUGH Ø26 HOLES
ENSURE NUTS FITTED BUSH SIDE
DESCRIPTION:-
ROLL FRAME 4.0m
MACHINE:-
X-PRESS 4.0m
SIMBA © 2009
DRAWN:- KSL
DATE:- 11/11/2009
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3792
ISSUE
A

AS3792		ROLL FRAME 4.0m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P00014	BOLT M24x80 GR. 8.8	2	
2	P00071	NIPPLE - GREASE	2	
3	P01834	BEARING - COMPLETE	2	
4	P02007	NUT LOCK M12	8	
5	P02009	NUT LOCK M20	8	
6	P02010	NUT LOCK M24	2	
7	P02011	NUT LOCK M30	2	
8	P02483	LYNCH PIN CAT 1	4	
9	P02601	WASHER FLAT M12	8	
10	P02603	WASHER FLAT M20	8	
11	P02604	WASHER FLAT M24 Ø50	4	
12	P03734	BOLT M20x110 GR. 8.8	8	
13	P05030	SCREW M12x55 CSK GR10.9	8	
14	P12758	STUB AXLE END WASHER Ø50	2	
15	P12950	BOLT M12x35 SOCKET CAP	4	
16	P13107	STOP PLATE	4	
17	P13108	PIN Ø25x65	4	
18	P13109	BOLT M30x120/43 GRS GR. 8.8	2	
19	P14141	BUSH Ø31.5 x Ø24.5 x20	2	
20	P15837	CLAMP PLATE	2	
21	P17270	ROLL ARM	2	
22	P17303	ROLL ARM	2	
23	P17328	ROLL FRAME 3934mm	1	
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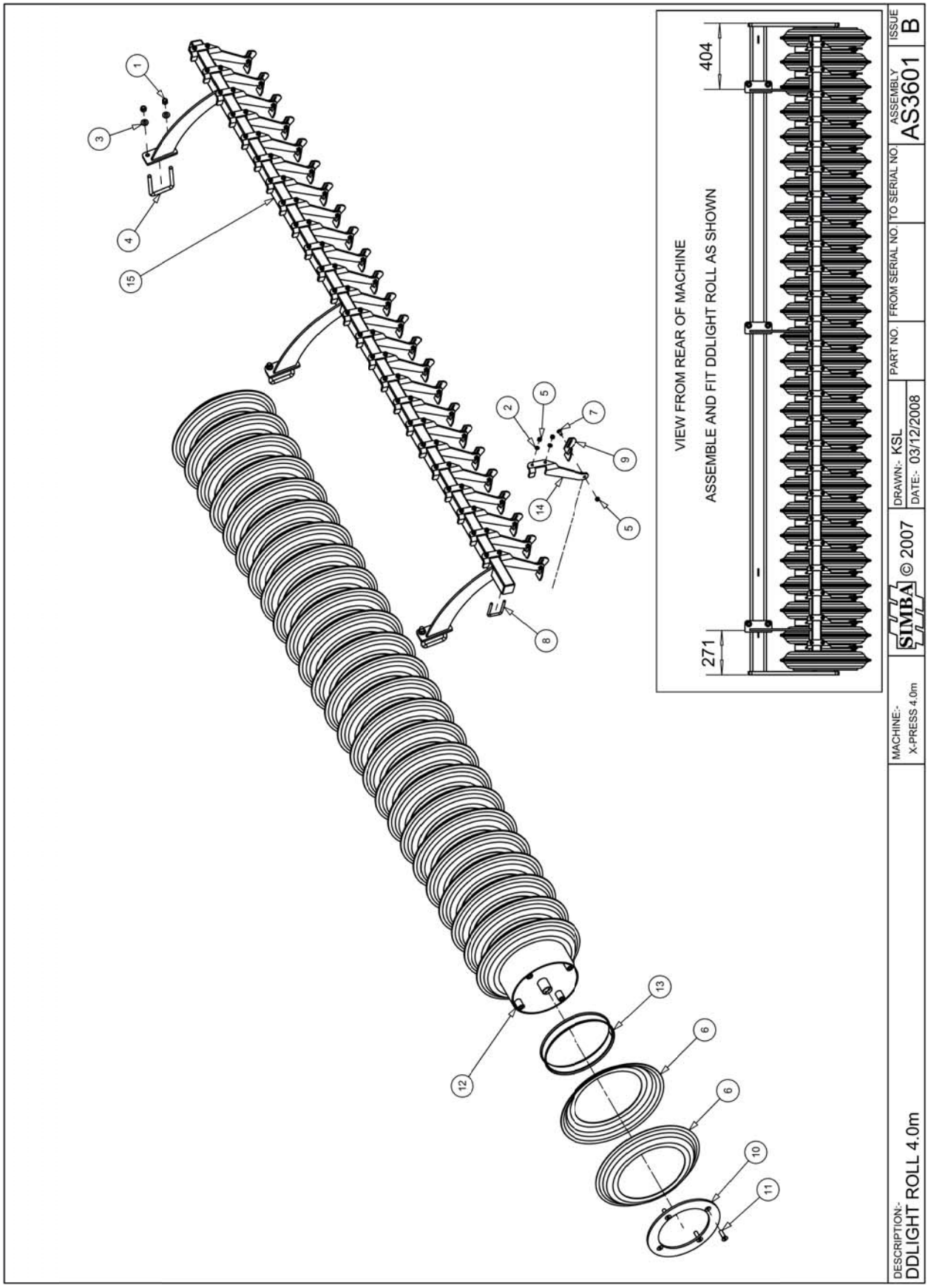
VIEW FROM REAR OF MACHINE
ASSEMBLE AND FIT DDLIGHT ROLL AS SHOWN
404
271
DESCRIPTION:-
DDLIGHT ROLL 4.0m
MACHINE:-
X-PRESS 4.0m
SIMBA © 2007
DRAWN:- KSL
DATE:- 03/12/2008
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3601
ISSUE
B

AS3601		DDLIGHT ROLL 4.0m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P02008	NUT LOCK M16 'TYPE T'	6	
2	P02600	WASHER FLAT M10	50	
3	P02602	WASHER FLAT M16	6	
4	P03704	BOLT U M16 GR8.8 145x117	3	
5	P05534	NUT LOCK M10	75	
6	P12959	RING DDL550 - Ø358	52	
7	P13942	BOLT M10x25 DOME SQ.	25	
8	P13961	BOLT U M10 GR8.8 71x88	25	
9	P15085	SCRAPER PLATE	25	
10	P15130	RING - RETAINING	2	
11	P15148	SCREW M16x50 GR10.9 CSK	8	
12	P15831	ROLL TUBE 3935mm	1	
13	P15913	SPACER 56mm DDL	25	
14	P16473	STEM - SCRAPER DDL600 CB	25	
15	P16645	4M SCRAPER RAIL H	1	
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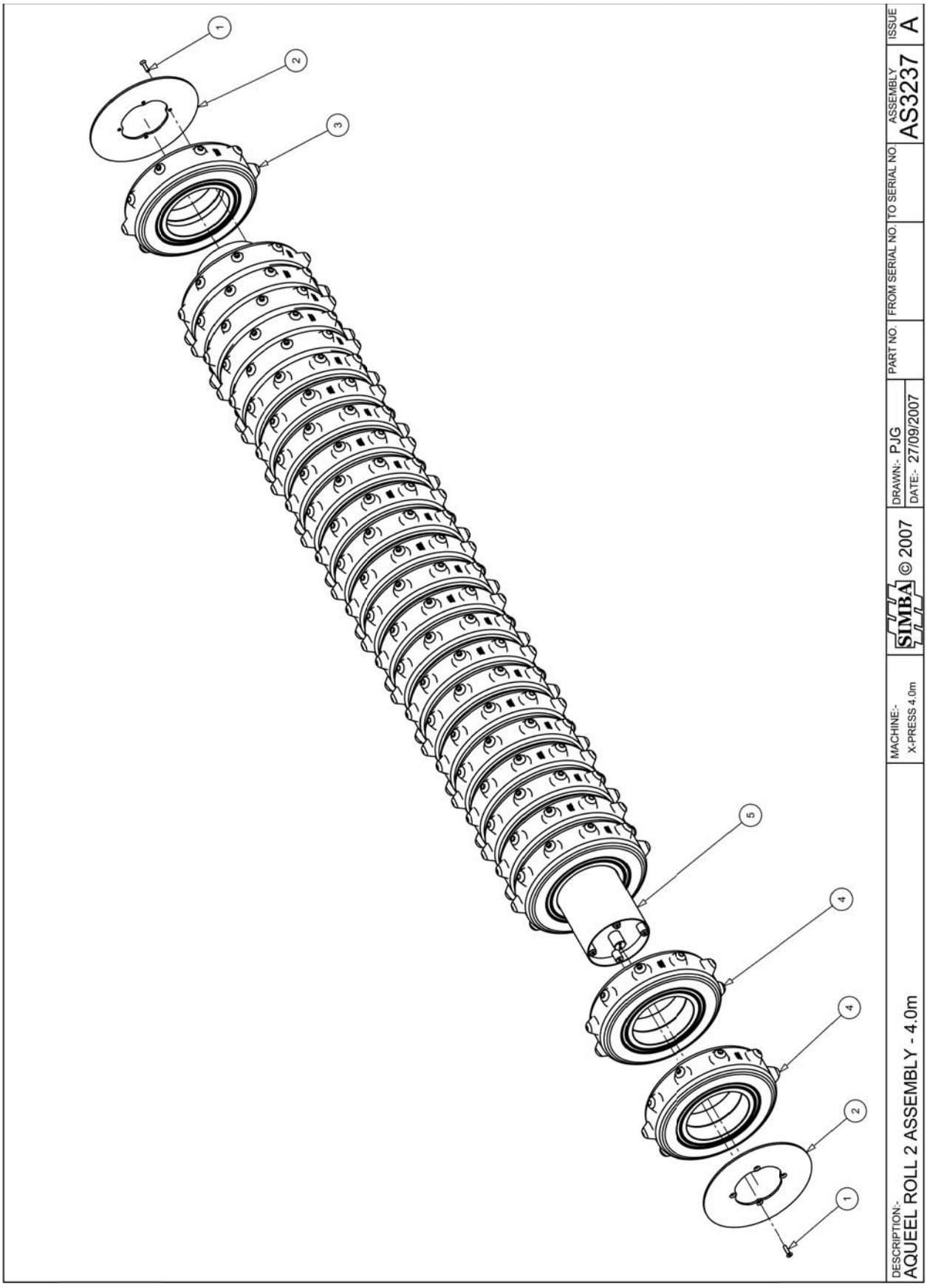
1
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1
DESCRIPTION:-
AQUEEL ROLL 2 ASSEMBLY - 4.0m
MACHINE:-
X-PRESS 4.0m
SIMBA © 2007
DRAWN:- PJG
DATE:- 27/09/2007
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3237
ISSUE
A

AS3237		AQUEEL 2 ROLL ASSEMBLY - 4.0m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P10944	SCREW M12x50 GR10.9 CSK	8	
2	P13548	RING - RETAINING	2	
3	P14810	AQUEEL 2 WHEEL - 125mm	6	
4	P14815	AQUEEL 2 WHEEL - 150mm	21	
5	P15921	ROLL TUBE CCR 3935mm	1	
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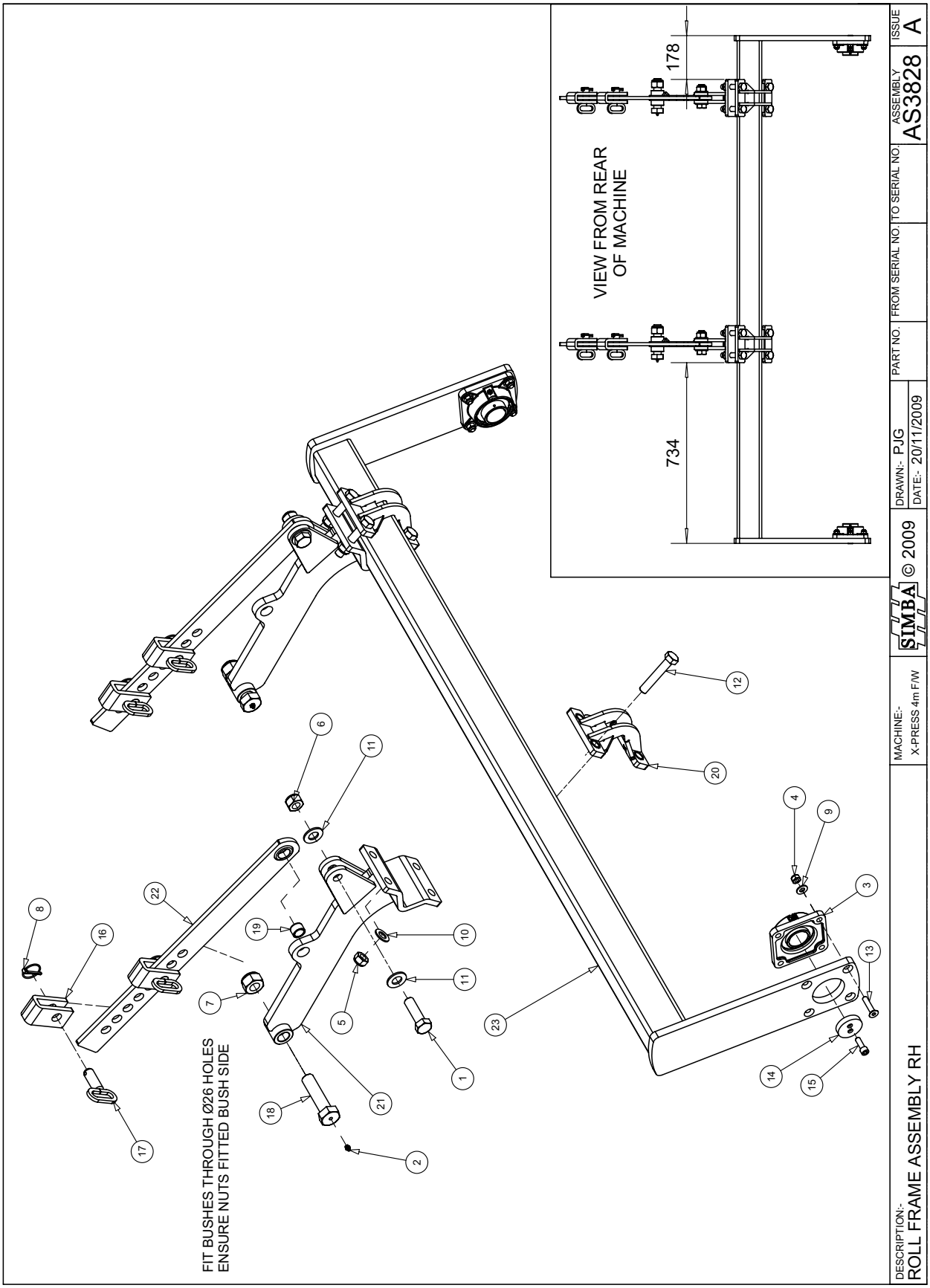
VIEW FROM REAR
OF MACHINE
178
734
FIT BUSHES THROUGH Ø26 HOLES
ENSURE NUTS FITTED BUSH SIDE
DESCRIPTION:-
ROLL FRAME ASSEMBLY RH
MACHINE:-
X-PRESS 4m F/W
SIMBA © 2009
DRAWN:- PJG
DATE:- 20/11/2009
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3828
ISSUE
A

AS3828	ROLL FRAME ASSEMBLY RH		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P00014	BOLT M24x80 GR. 8.8	2	
2	P00071	NIPPLE - GREASE	2	
3	P01834	BEARING COMPLETE	2	
4	P02007	NUT LOCK M12	8	
5	P02009	NUT LOCK M20	8	
6	P02010	NUT LOCK M24	2	
7	P02011	NUT LOCK M30	2	
8	P02483	LYNCH PIN CAT 1	4	
9	P02601	WASHER FLAT M12	8	
10	P02603	WASHER FLAT M20	8	
11	P02604	WASHER FLAT M24 Ø50	4	
12	P03734	BOLT M20x110 GR. 8.8	8	
13	P05030	SCREW M12x55 CSK GR10.9	8	
14	P12758	STUB AXLE END WASHER Ø50	2	
15	P12950	BOLT M12x35 SOCKET CAP	4	
16	P13107	STOP PLATE	4	
17	P13108	PIN Ø25x65	4	
18	P13109	BOLT M30x120/43 GRS GR. 8.8	2	
19	P14141	BUSH Ø31.5 x Ø24.5 x20	2	
20	P15837	CLAMP PLATE	2	
21	P17270	ROLL ARM	2	
22	P17303	ROLL ARM	2	
23	P17399	DD LIGHT ROLL FRAME LH	1	
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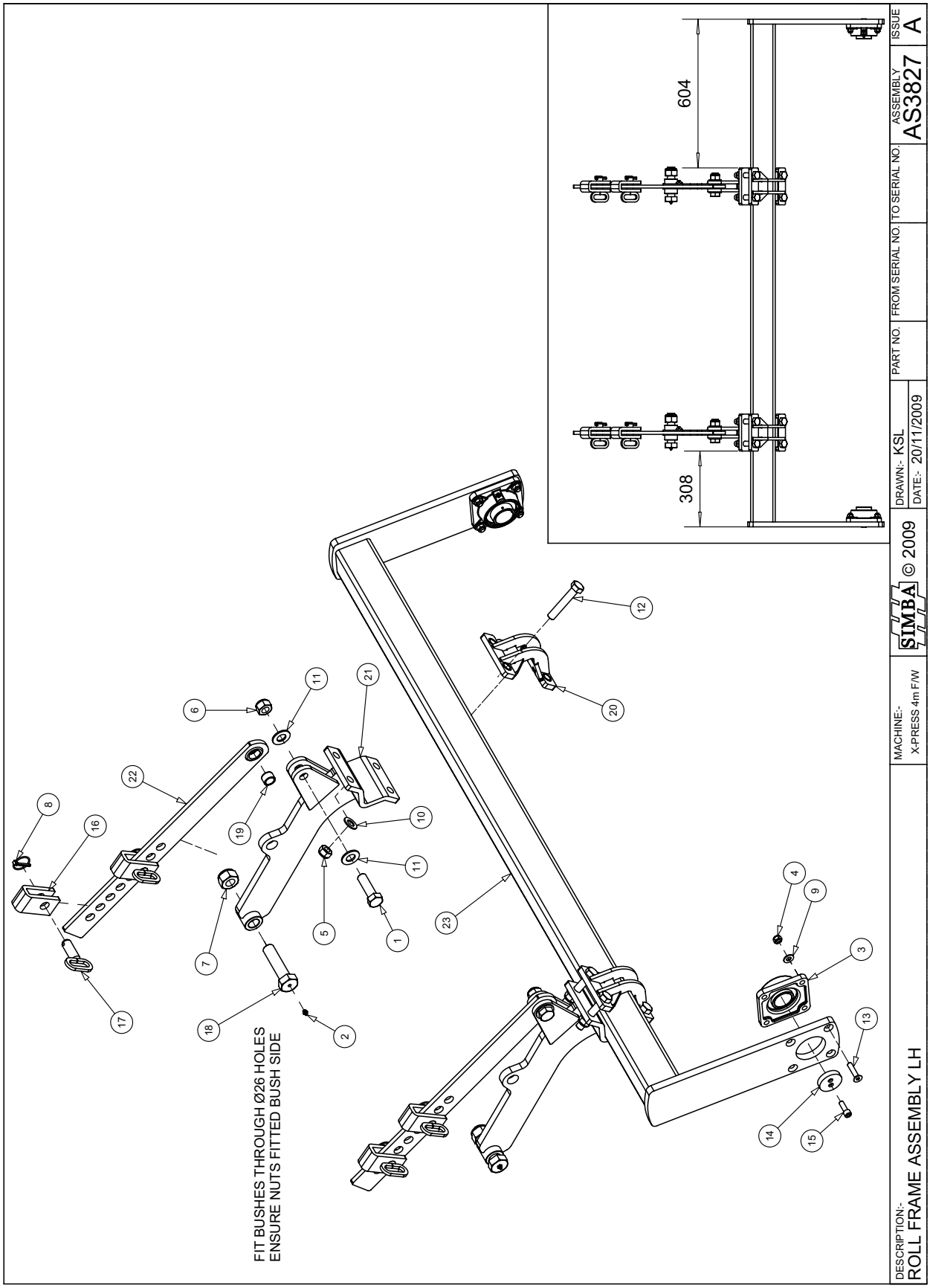
604
308
FIT BUSHES THROUGH Ø26 HOLES
ENSURE NUTS FITTED BUSH SIDE
DESCRIPTION:-
ROLL FRAME ASSEMBLY LH
MACHINE:-
X-PRESS 4m F/W
SIMBA © 2009
DRAWN:- KSL
DATE:- 20/11/2009
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3827
ISSUE
A

AS3827	ROLL FRAME ASSEMBLY LH 4.0m F/W		

ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	P00014	BOLT M24x80 GR. 8.8	2	
2	P00071	NIPPLE - GREASE	2	
3	P01834	BEARING COMPLETE	2	
4	P02007	NUT LOCK M12	8	
5	P02009	NUT LOCK M20	8	
6	P02010	NUT LOCK M24	2	
7	P02011	NUT LOCK M30	2	
8	P02483	LYNCH PIN CAT 1	4	
9	P02601	WASHER FLAT M12	8	
10	P02603	WASHER FLAT M20	8	
11	P02604	WASHER FLAT M24 Ø50	4	
12	P03734	BOLT M20x110 GR. 8.8	8	
13	P05030	SCREW M12x55 CSK GR10.9	8	
14	P12758	STUB AXLE END WASHER Ø50	2	
15	P12950	BOLT M12x35 SOCKET CAP	4	
16	P13107	STOP PLATE	4	
17	P13108	PIN Ø25x65	4	
18	P13109	BOLT M30x120/43 GRS GR. 8.8	2	
19	P14141	BUSH Ø31.5 x Ø24.5 x20	2	
20	P15837	CLAMP PLATE	2	
21	P17270	ROLL ARM	2	
22	P17303	ROLL ARM	2	
23	P17399	DD LIGHT ROLL FRAME LH	1	
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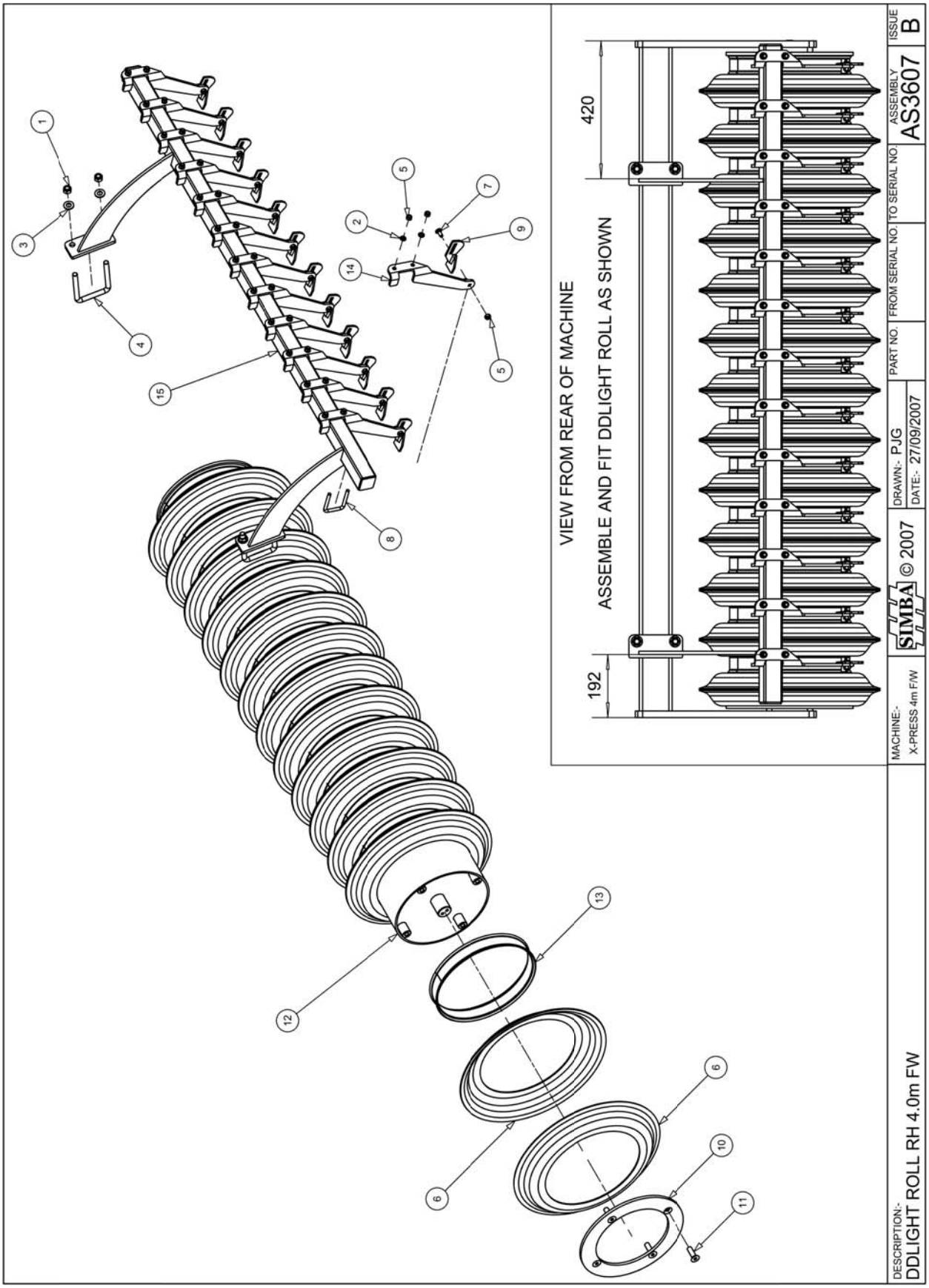
VIEW FROM REAR OF MACHINE
ASSEMBLE AND FIT DDLIGHT ROLL AS SHOWN
420
192
DESCRIPTION:-
DDLIGHT ROLL RH 4.0m FW
MACHINE:-
X-PRESS 4m F/W
SIMBA © 2007
DRAWN:- PJG
DATE:- 27/09/2007
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3607
ISSUE
B

	AS3607	DDLIGHT ROLL 4.0m RH F/W		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P02008	NUT LOCK M16 'TYPE T'	4	
2	P02600	WASHER FLAT M10	26	
3	P02602	WASHER FLAT M16	4	
4	P03704	BOLT U M16 GR8.8 145x117	2	
5	P05534	NUT LOCK M10	39	
6	P12959	RING DDL550 - Ø358	26	
7	P13942	BOLT M10x25 DOME SQ.	13	
8	P13961	BOLT U M10 GR8.8 71x88	13	
9	P15085	SCRAPER PLATE	13	
10	P15130	RING - RETAINING	2	
11	P15148	SCREW M16x50 GR10.9 CSK	8	
12	P15832	ROLL TUBE 2022mm	1	
13	P15913	SPACER 56mm DDL	13	
14	P16473	STEM - SCRAPER DDL600 CB	13	
15	P16643	2M SCRAPER RAIL H	1	
16				
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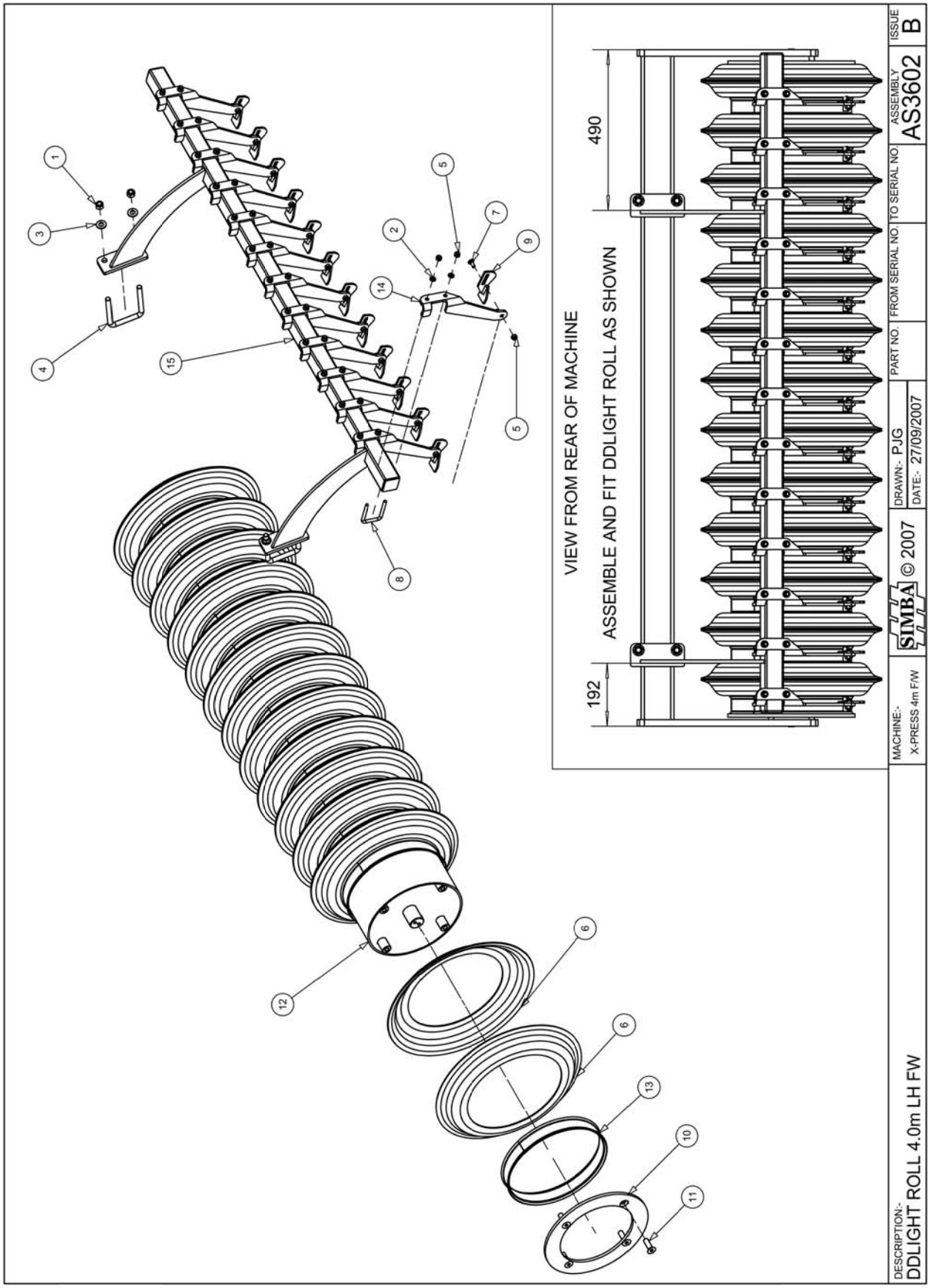
VIEW FROM REAR OF MACHINE
ASSEMBLE AND FIT DDLIGHT ROLL AS SHOWN
490
192
DESCRIPTION:-
DDLIGHT ROLL 4.0m LH FW
MACHINE:-
X-PRESS 4m F/W
SIMBA © 2007
DRAWN:- PJG
DATE:- 27/09/2007
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3602
ISSUE
B

AS3602	DDLIGHT ROLL 4.0m LH F/W		

ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	P02008	NUT LOCK M16 'TYPE T'	4	
2	P02600	WASHER FLAT M10	26	
3	P02602	WASHER FLAT M16	4	
4	P03704	BOLT U M16 GR8.8 145x117	2	
5	P05534	NUT LOCK M10	39	
6	P12959	RING DDL550 - Ø358	26	
7	P13942	BOLT M10x25 DOME SQ.	13	
8	P13961	BOLT U M10 GR8.8 71x88	13	
9	P15085	SCRAPER PLATE	13	
10	P15130	RING - RETAINING	2	
11	P15148	SCREW M16x50 GR10.9 CSK	8	
12	P15832	ROLL TUBE 2022mm	1	
13	P15913	SPACER 56mm DDL	13	
14	P16473	STEM - SCRAPER DDL600 CB	13	
15	P16643	2M SCRAPER RAIL H	1	
16				
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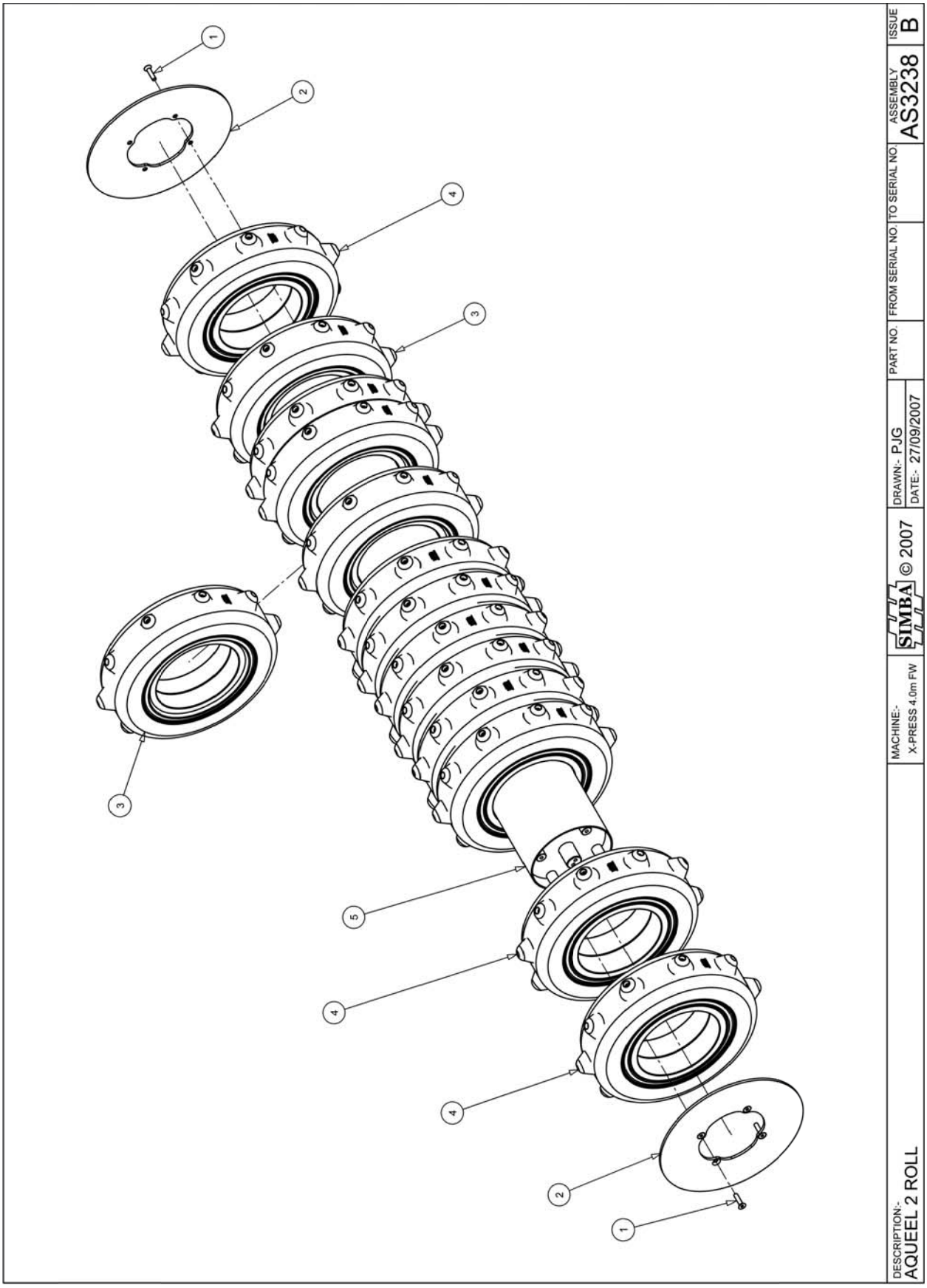
DESCRIPTION:-
AQUEEL 2 ROLL
MACHINE:-
X-PRESS 4.0m FW
SIMBA © 2007
DRAWN:- PJG
DATE:- 27/09/2007
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3238
ISSUE
B

AS3238	AQUEEL 2 ROLL ASSEMBLY - 4.0m FW		

ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	P10944	SCREW M12x50 GR10.9 CSK	8	
2	P13548	RING - RETAINING	2	
3	P14810	AQUEEL 2 WHEEL - 125mm	4	
4	P14815	AQUEEL 2 WHEEL - 150mm	10	
5	P14959	ROLL TUBE - 1982mm	1	
6				
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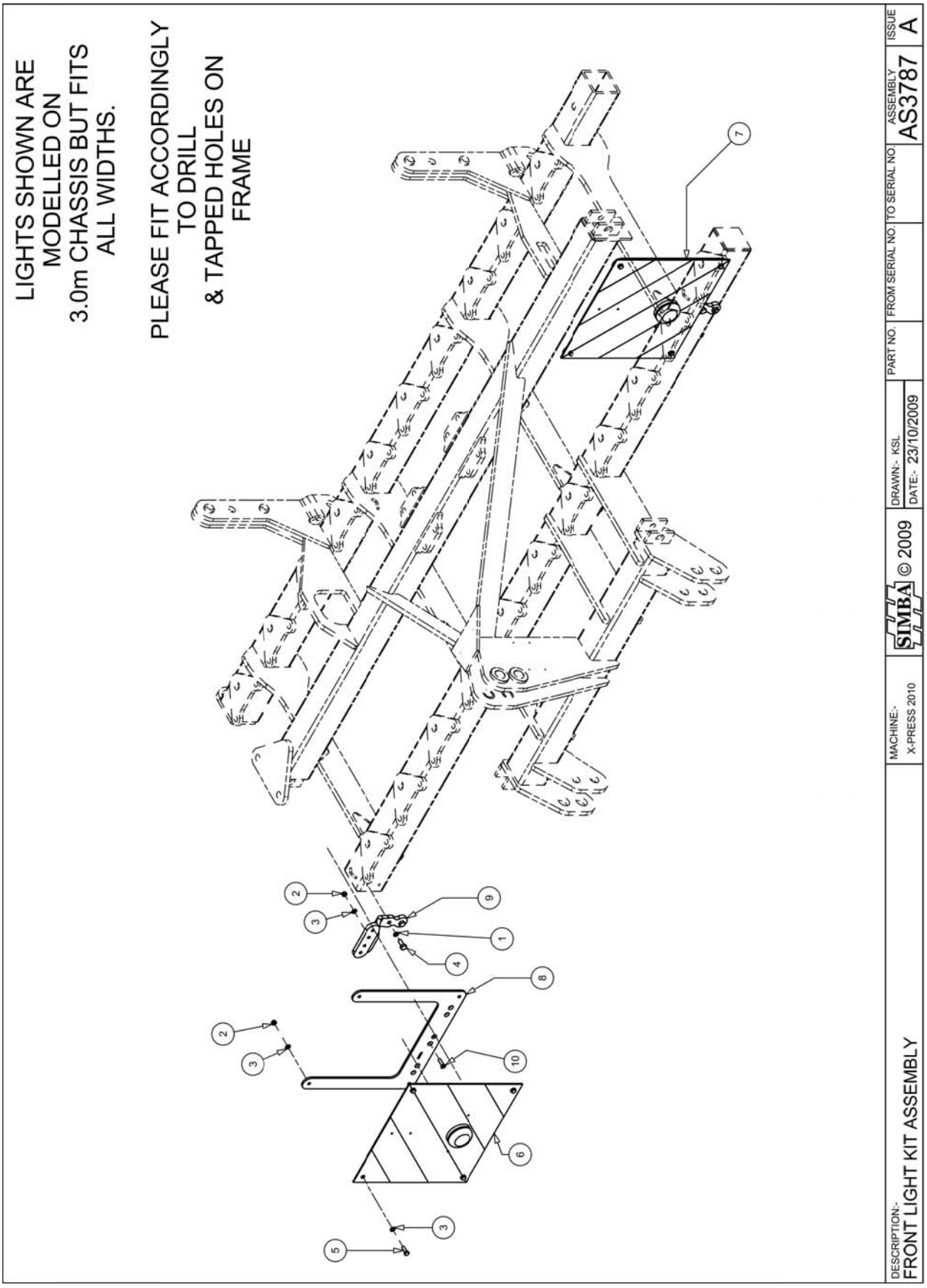
LIGHTS SHOWN ARE MODELLED ON 3.0m CHASSIS BUT FITS ALL WIDTHS.
PLEASE FIT ACCORDINGLY TO DRILL & TAPPED HOLES ON FRAME
DESCRIPTION:-
FRONT LIGHT KIT ASSEMBLY
MACHINE:-
X-PRESS 2010
SIMBA © 2009
DRAWN:- KSL
DATE:- 23/10/2009
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3787
ISSUE
A

AS3787		FRONT LIGHT KIT ASSEMBLY		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P02035	WASHER SPRING M10	4	
2	P04754	NUT LOCK M8	12	
3	P05535	WASHER FLAT M8	20	
4	P06651	BOLT M10x25 GR. 8.8	4	
5	P09597	BOLT M8x25 GR. 8.8	8	
6	P15560	LIGHT BOARD FRH	1	
7	P15561	LIGHT BOARD FLH	1	
8	P17311	LIGHT MOUNT BOARD	2	
9	P17316	LIGHT ARM - FRONT	2	
10	P17318	SCREW M8x30 CSK	4	
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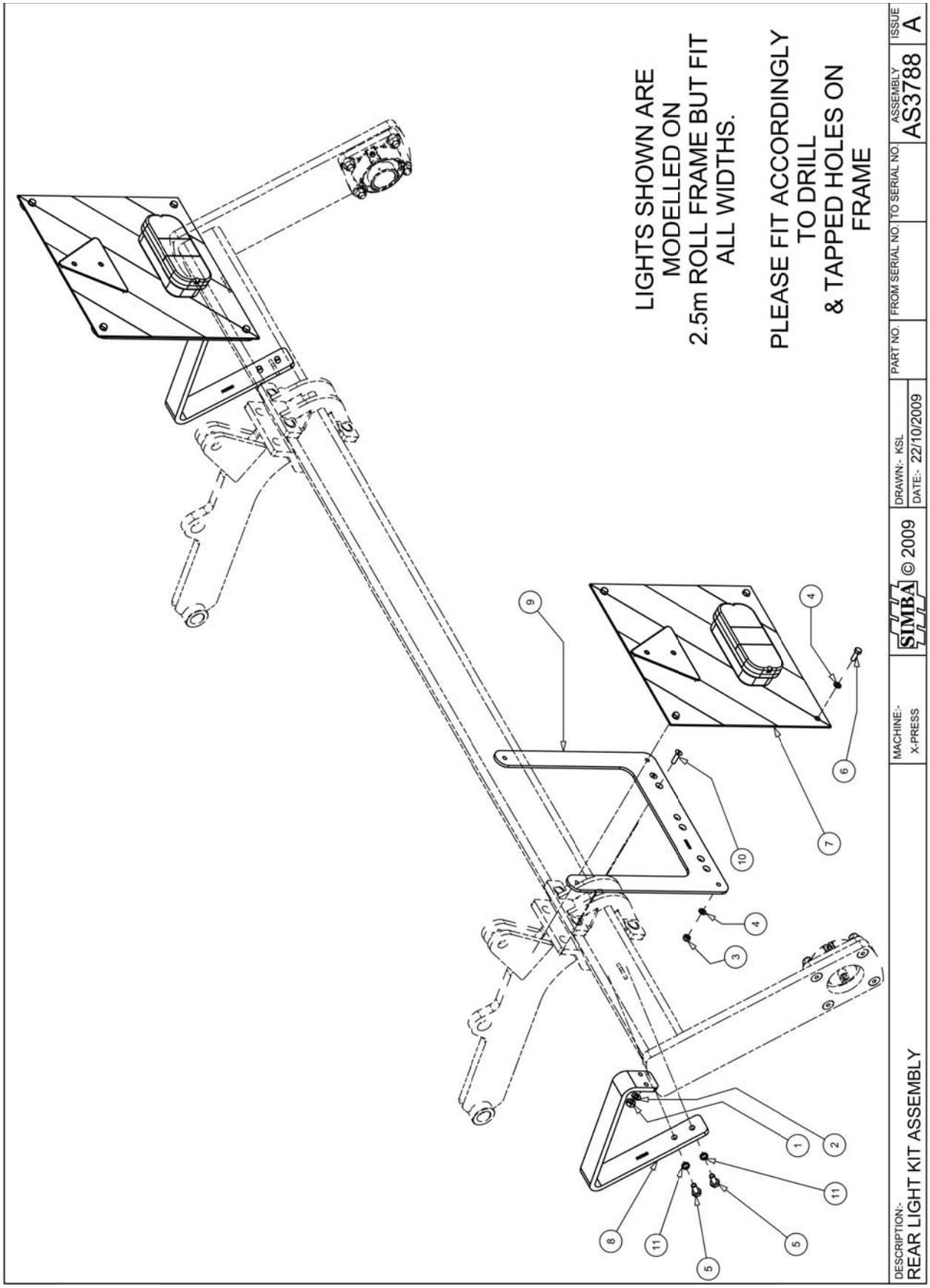
LIGHTS SHOWN ARE
MODELLED ON
2.5m ROLL FRAME BUT FIT
ALL WIDTHS.
PLEASE FIT ACCORDINGLY
TO DRILL
& TAPPED HOLES ON
FRAME
DESCRIPTION:-
REAR LIGHT KIT ASSEMBLY
MACHINE:-
X-PRESS
SIMBA © 2009
DRAWN:- KSL
DATE:- 22/10/2009
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3788
ISSUE
A

AS3788		REAR LIGHT KIT ASSEMBLY		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P02003	NUT PLAIN M10	4	
2	P02600	WASHER FLAT M10	4	
3	P04754	NUT LOCK M8	8	
4	P05535	WASHER FLAT M8	16	
5	P06651	BOLT M10x25 GR. 8.8	4	
6	P09597	BOLT M8x25 GR. 8.8	8	
7	P15563	LIGHT BOARD RLH	2	
8	P17310	LIGHT MOUNT ARM	2	
9	P17311	LIGHT MOUNT BOARD	2	
10	P17318	SCREW M8x30 CSK	4	
11	P02035	WASHER SPRING M10	4	
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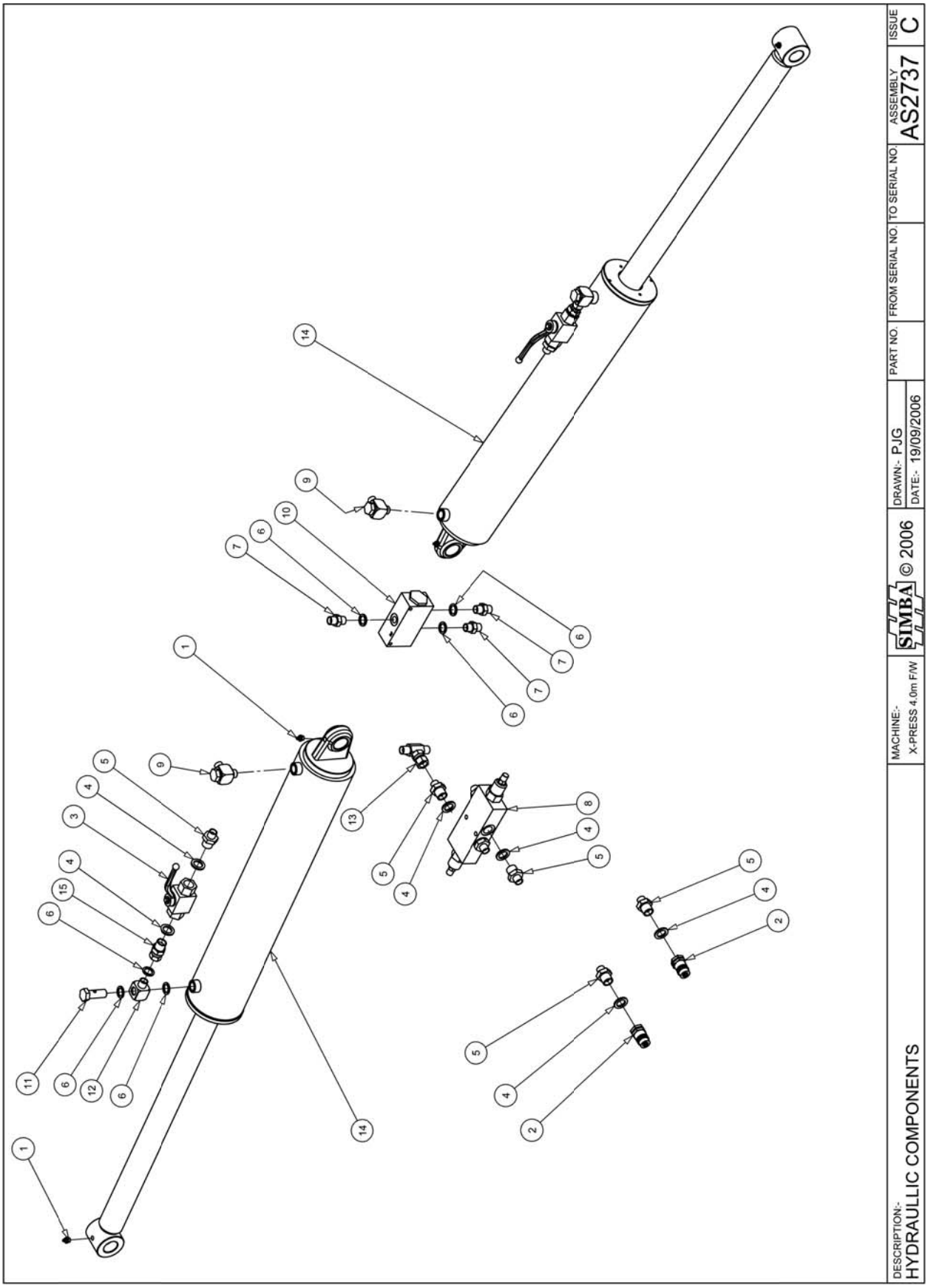
DESCRIPTION:-
HYDRAULLIC COMPONENTS
MACHINE:-
X-PRESS 4.0m F/W
SIMBA © 2006
DRAWN:- PJG
DATE:- 19/09/2006
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS2737
ISSUE
C

AS2737		HYDRAULIC COMPONENTS - X-PRESS 4.0m F/W		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P00071	NIPPLE - GREASE	4	
2	P00205	QUICK RELEASE MALE - ½" BSP	2	
3	P00774	SHUT OFF TAP ½" BSP	2	
4	P02263	DOWTY SEAL ½" BSP	10	
5	P03686	ADAPTOR MALE - MALE ½"-3/8" BSP	8	
6	P03687	DOWTY SEAL 3/8" BSP	9	
7	P06641	ADAPTOR MALE - MALE 3/8"-3/8" BSP	3	
8	P07930	DOC VALVE VODL/SC12	1	
9	P08362	BANJO BLOCK 3/8" COMPLETE	2	
10	P11021	VALVE FDC VDFR38-24 3/8"	1	
11	P11604	BANJO BOLT 3/8"	2	
12	P11605	BANJO BLOCK 3/8"	2	
13	P12769	ADAPTOR T SFOL 3/8" BSP	1	
14	P14093	CYLINDER Ø100 x 570 C/W EYE BOTH EN	2	
15	P14095	ADAPTOR MALE 1/2" - FEMALE 3/8"	2	
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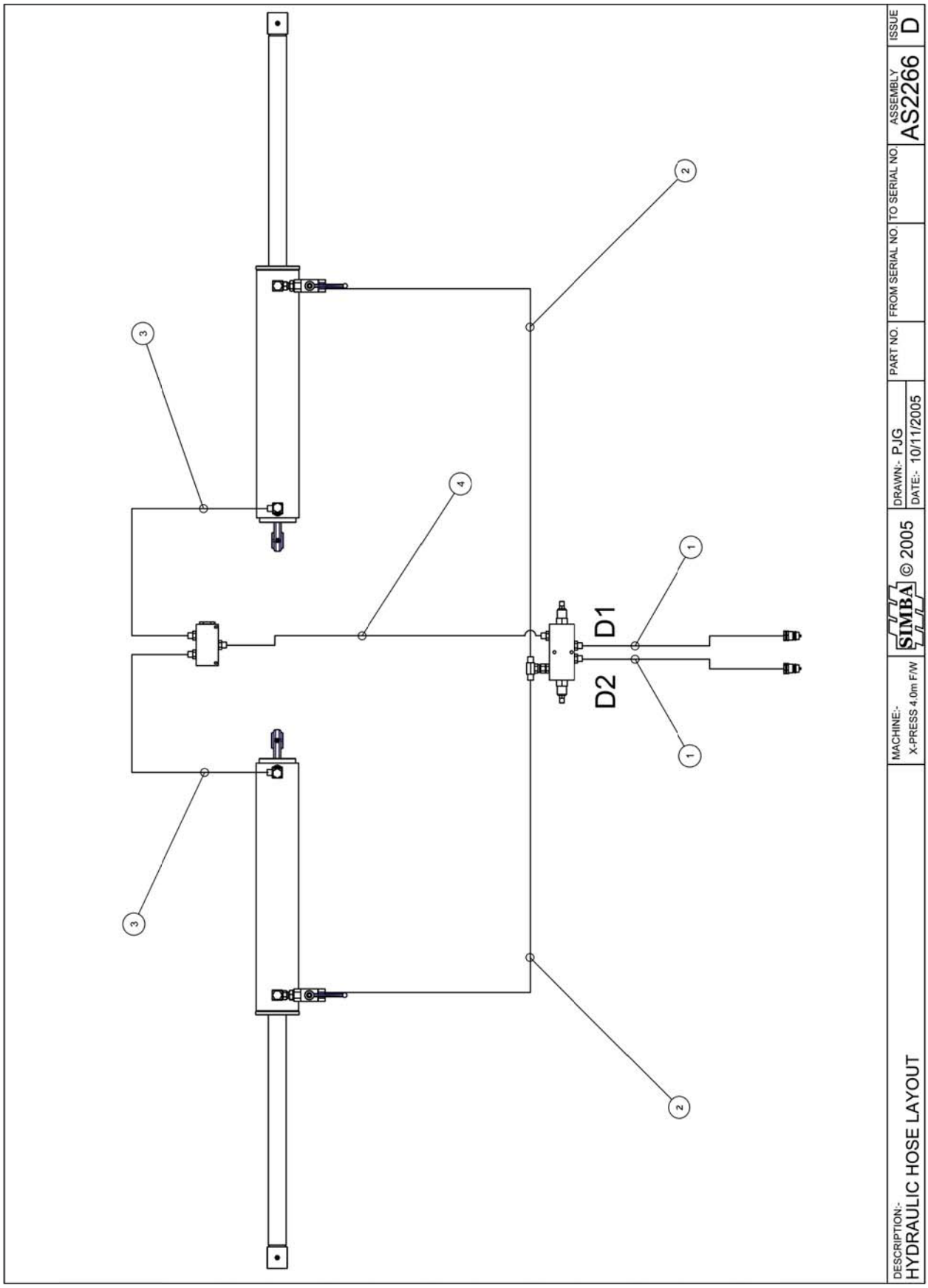
D1
D2
DESCRIPTION:-
HYDRAULIC HOSE LAYOUT
MACHINE:-
X-PRESS 4.0m F/W
SIMBA © 2005
DRAWN:- PJG
DATE:- 10/11/2005
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS2266
ISSUE
D

AS2266	HYDRAULIC HOSE LAYOUT		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P07624	HA 3/8"x1830	2	
2	P14788	HA 3/8"x1000 90°	2	
3	P14792	HA 3/8"x800 90°	2	
4	P14793	HA 3/8"x400 90°	1	
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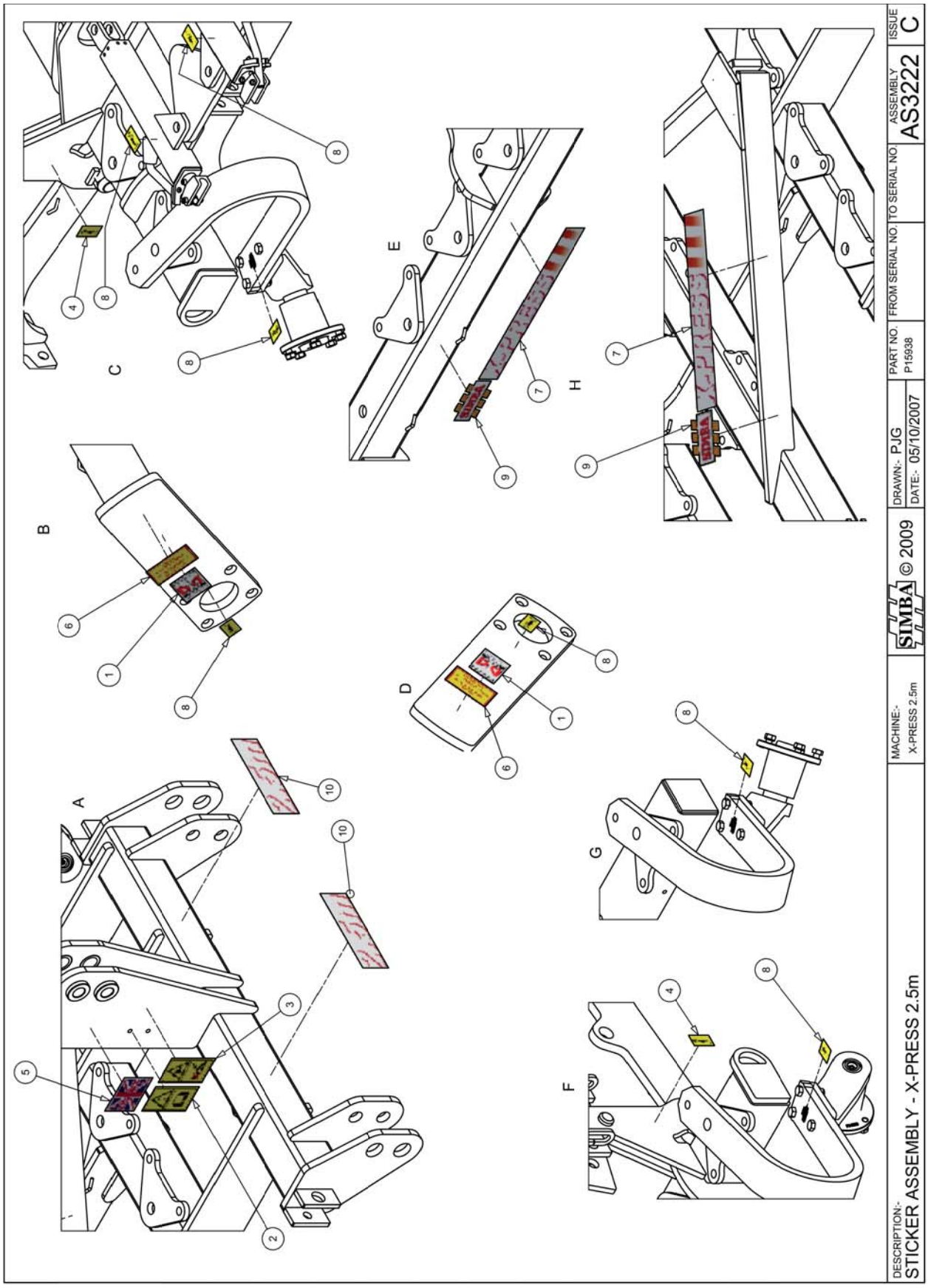
DESCRIPTION:-
STICKER ASSEMBLY - X-PRESS 2.5m
MACHINE:-
X-PRESS 2.5m
SIMBA © 2009
DRAWN:- PJG
DATE:- 05/10/2007
PART NO.
P15938
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3222
ISSUE
C

	AS3222	STICKER KIT - X-PRESS 2.5m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P08923	DECAL - DD SMALL	2	
2	P11642	DECAL - ATTENTION	1	
3	P11645	DECAL - HAND TRAP	1	
4	P11695	DECAL - GREASE 50 HOURS	2	
5	P11700	DECAL - MADE GREAT	1	
6	P12558	DECAL - AXLE TENSION	2	
7	P13843	DECAL - X-PRESS 47x435	3	
8	P15173	DECAL - GREASE 200 HOURS	8	
9	P15198	DECAL - SIMBA 65x114	3	
10	P15857	DECAL - 2.5m	2	
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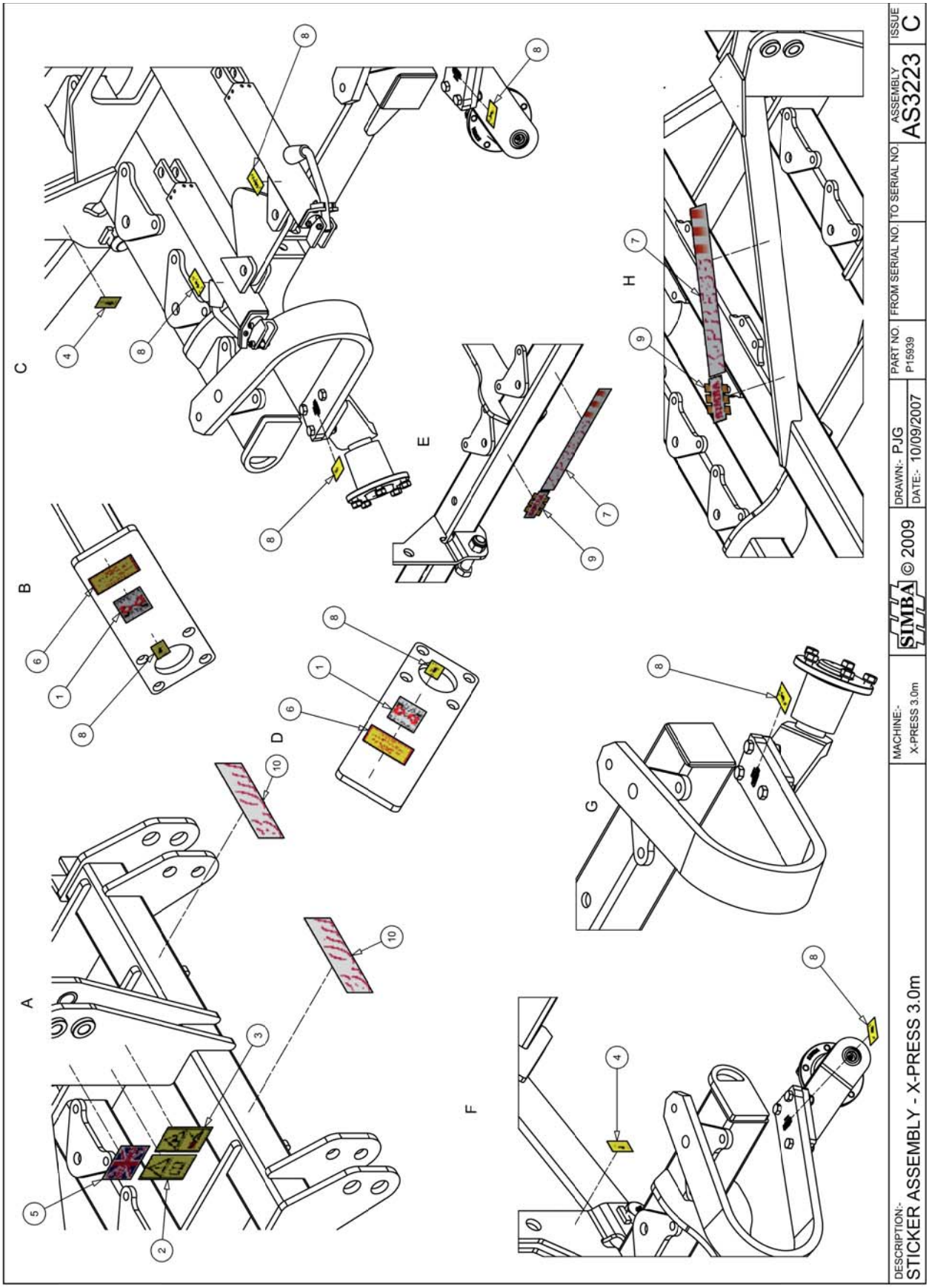
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DESCRIPTION:-
STICKER ASSEMBLY - X-PRESS 3.0m
MACHINE:-
X-PRESS 3.0m
SIMBA © 2009
DRAWN:- PJG
DATE:- 10/09/2007
PART NO.
P15939
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3223
ISSUE
C

AS3223	STICKER LAYOUT - X-PRESS 3.0m		

ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	P08923	DECAL - DD SMALL	2	
2	P11642	DECAL - ATTENTION	1	
3	P11645	DECAL - HAND TRAP	1	
4	P11695	DECAL - GREASE 50 HOURS	2	
5	P11700	DECAL - MADE GREAT	1	
6	P12558	DECAL - AXLE TENSION	2	
7	P13843	DECAL - X-PRESS 47x435	3	
8	P15173	DECAL - GREASE 200 HOURS	8	
9	P15198	DECAL - SIMBA 65x114	3	
10	P15256	DECAL - 3.0m	2	
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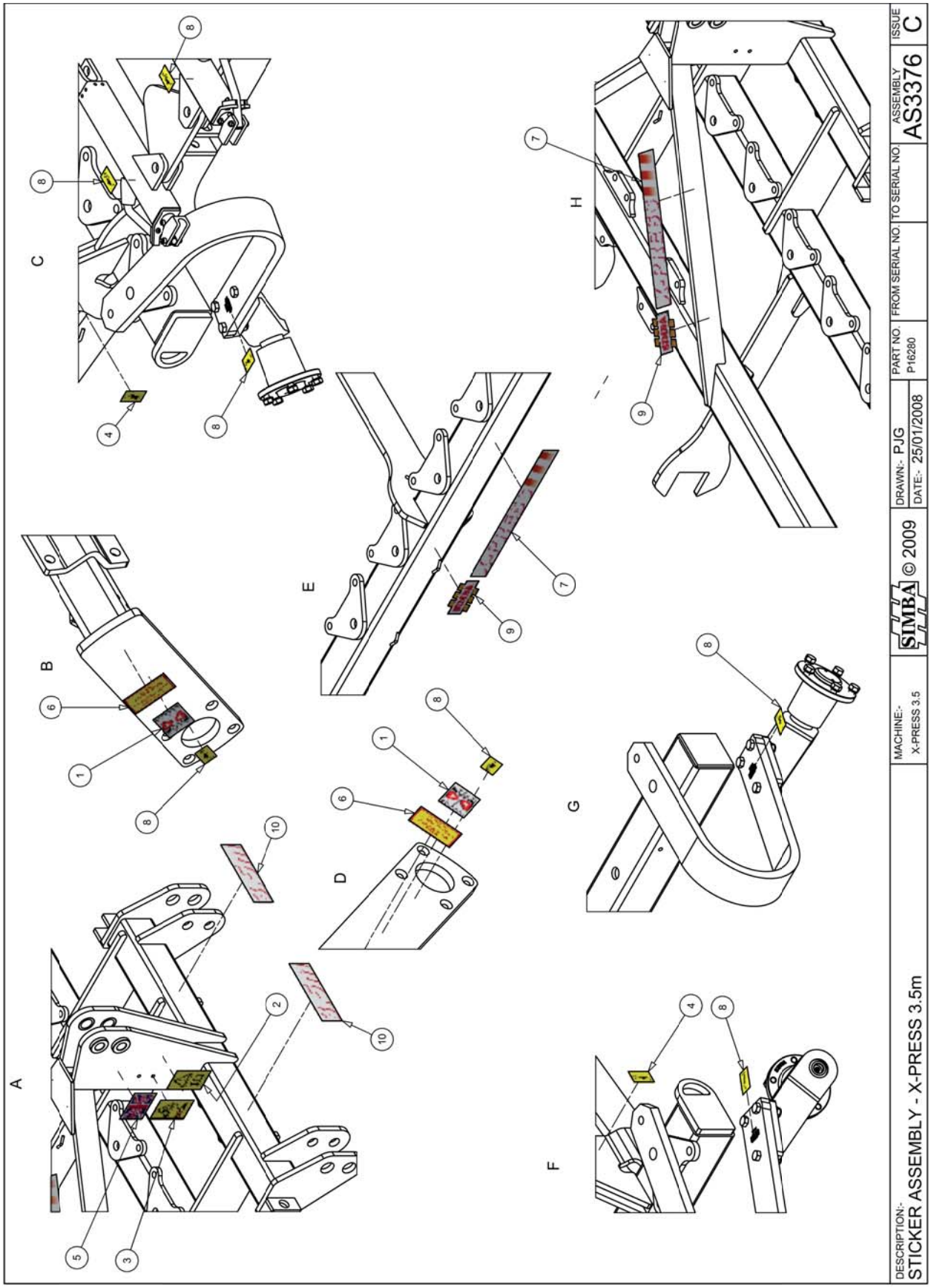
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DESCRIPTION:-
STICKER ASSEMBLY - X-PRESS 3.5m
MACHINE:-
X-PRESS 3.5
SIMBA © 2009
DRAWN:- PJG
DATE:- 25/01/2008
PART NO.
P16280
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3376
ISSUE
C

	AS3376	STICKER LAYOUT - X-PRESS 3.5m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P08923	DECAL - DD SMALL	2	
2	P11642	DECAL - ATTENTION	1	
3	P11645	DECAL - HAND TRAP	1	
4	P11695	DECAL - GREASE 50 HOURS	2	
5	P11700	DECAL - MADE GREAT	1	
6	P12558	DECAL - AXLE TENSION	2	
7	P13843	DECAL - X-PRESS 47x435	3	
8	P15173	DECAL - GREASE 200 HOURS	8	
9	P15198	DECAL - SIMBA 65x114	3	
10	P15354	DECAL - 3.5m	2	
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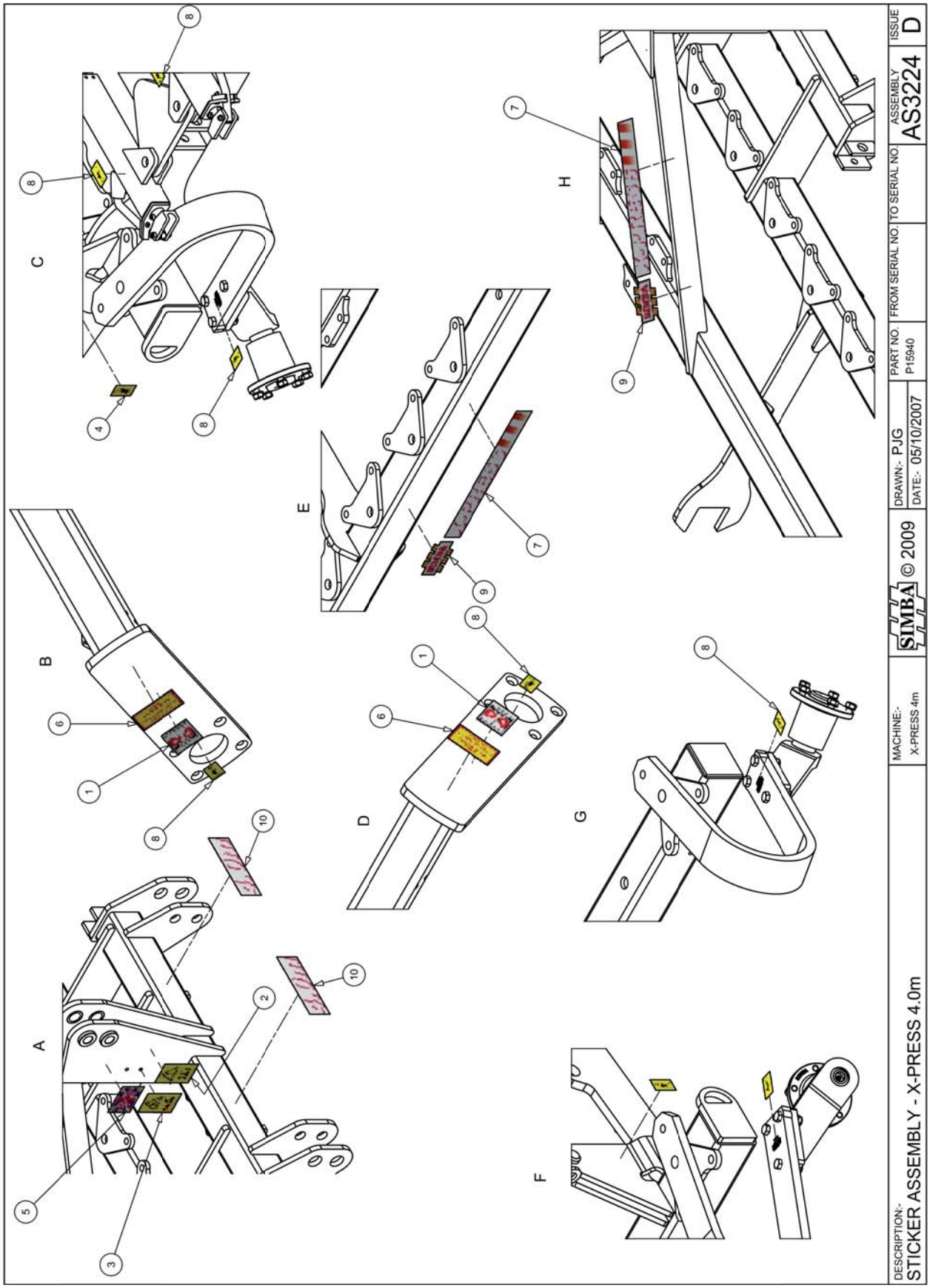
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DESCRIPTION:-
STICKER ASSEMBLY - X-PRESS 4.0m
MACHINE:-
X-PRESS 4m
SIMBA © 2009
DRAWN:- PJG
DATE:- 05/10/2007
PART NO.
P15940
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3224
ISSUE
D

AS3224	STICKER ASSEMBLY - X-PRESS 4.0m		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P08923	DECAL - DD SMALL	2	
2	P11642	DECAL - ATTENTION	1	
3	P11645	DECAL - HAND TRAP	1	
4	P11695	DECAL - GREASE 50 HOURS	2	
5	P11700	DECAL - MADE GREAT	1	
6	P12558	DECAL - AXLE TENSION	2	
7	P13843	DECAL - X-PRESS 47x435	3	
8	P15173	DECAL - GREASE 200 HOURS	8	
9	P15198	DECAL - SIMBA 65x114	3	
10	P15257	DECAL - 4.0m	2	
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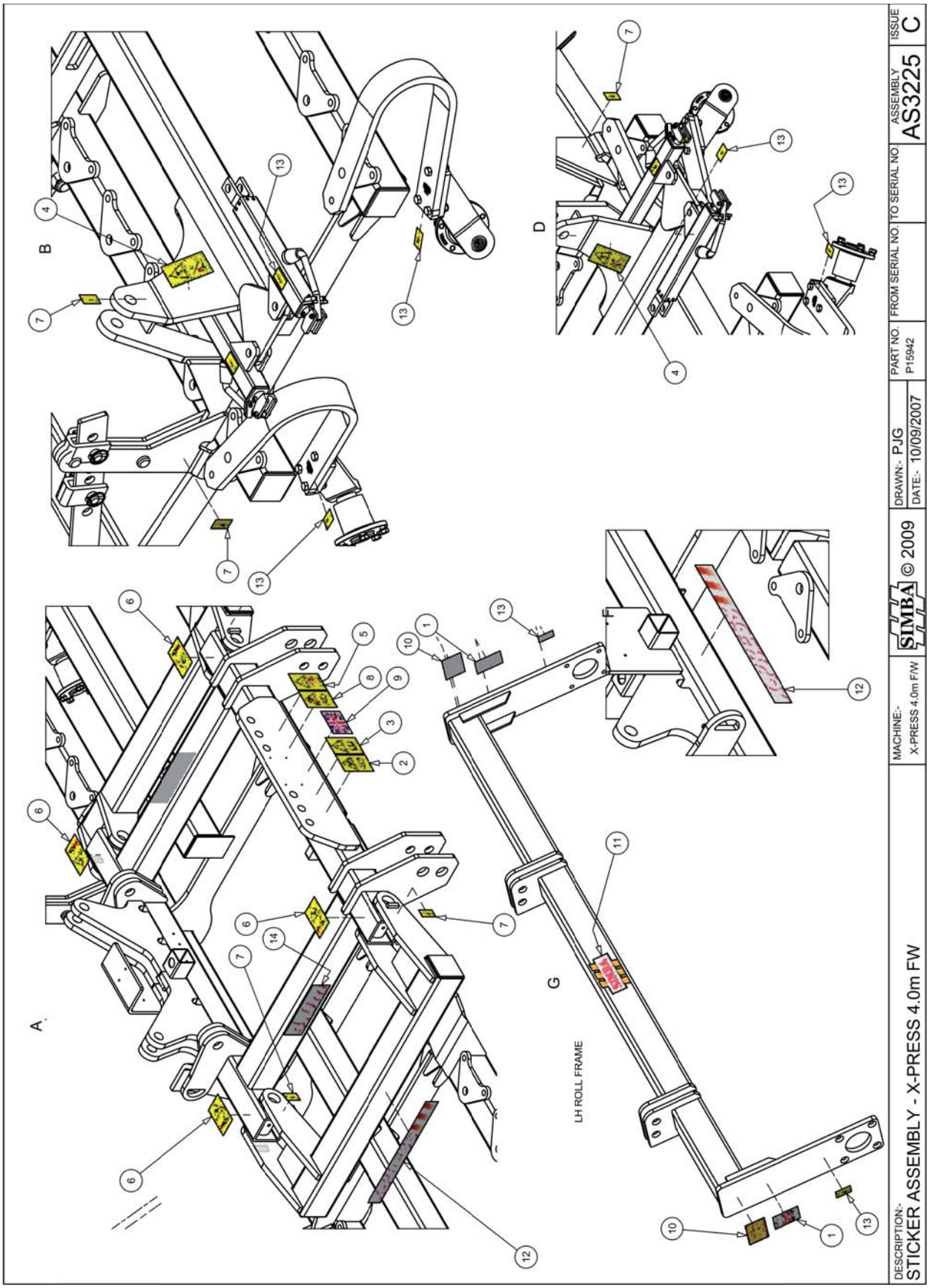
DESCRIPTION:-
STICKER ASSEMBLY - X-PRESS 4.0m FW
MACHINE:-
X-PRESS 4.0m F/W
SIMBA © 2009
DRAWN:- PJG
DATE:- 10/09/2007
PART NO.
P15942
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3225
ISSUE
C
LH ROLL FRAME

	AS3225	STICKER LAYOUT - X-PRESS 4.0m F/W		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P08923	DECAL - DD SMALL	4	
2	P11641	DECAL - LEAKING OIL	1	
3	P11642	DECAL - ATTENTION	1	
4	P11643	DECAL - FALLING WINGS	2	
5	P11644	DECAL - DO NOT RIDE	1	
6	P11645	DECAL - HAND TRAP	4	
7	P11695	DECAL - GREASE 50 HOURS	11	
8	P11697	DECAL - ANTI TAMPER	1	
9	P11700	DECAL - MADE GREAT	1	
10	P12558	DECAL - AXLE TENSION	4	
11	P13387	DECAL - SIMBA 85x150	2	
12	P13843	DECAL - X-PRESS 47x435	3	
13	P15173	DECAL - GREASE 200 HOURS	12	
14	P15257	DECAL - 4.0m	2	
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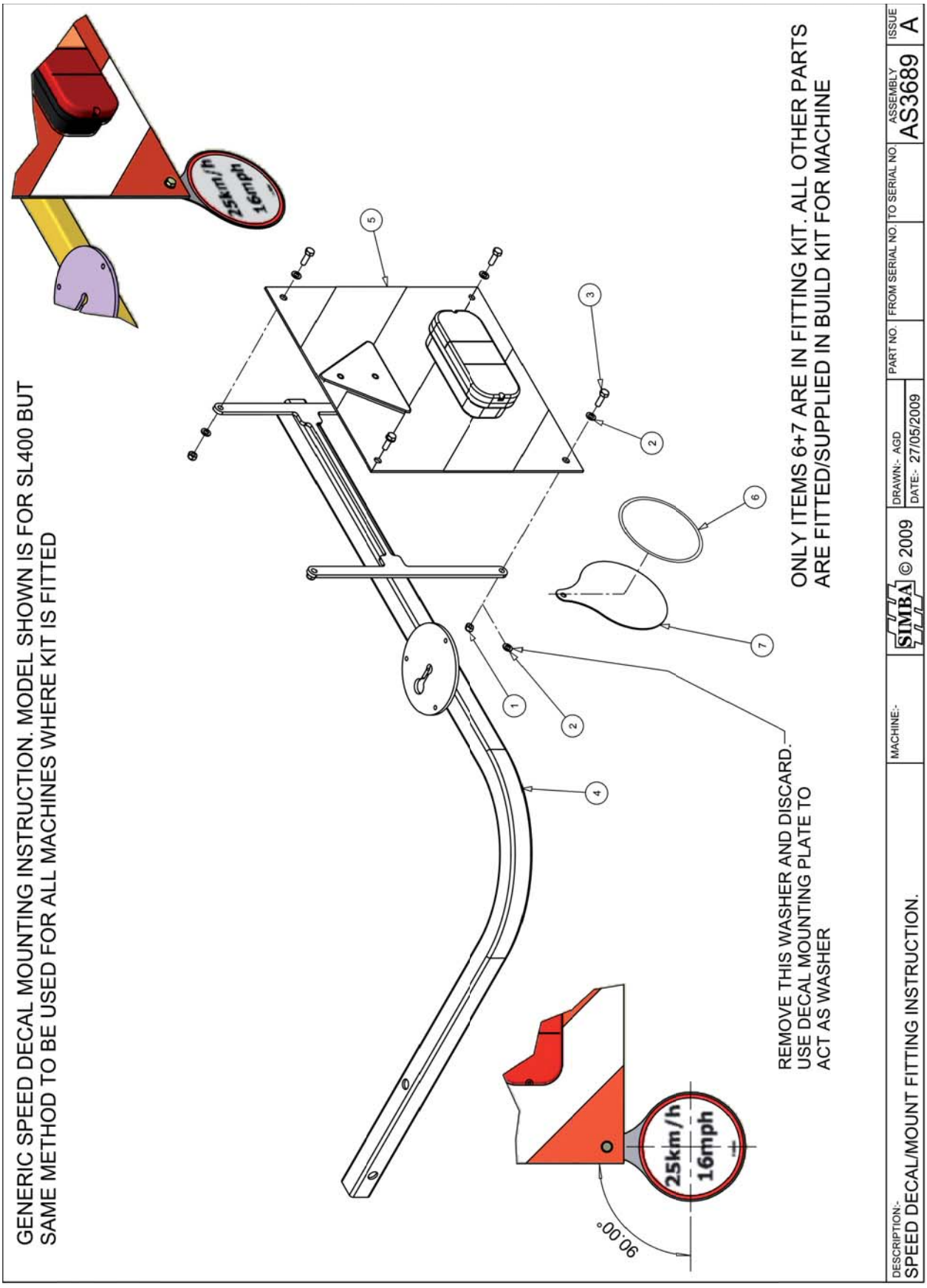
GENERIC SPEED DECAL MOUNTING INSTRUCTION. MODEL SHOWN IS FOR SL400 BUT
SAME METHOD TO BE USED FOR ALL MACHINES WHERE KIT IS FITTED
ONLY ITEMS 6+7 ARE IN FITTING KIT. ALL OTHER PARTS
ARE FITTED/SUPPLIED IN BUILD KIT FOR MACHINE
REMOVE THIS WASHER AND DISCARD.
USE DECAL MOUNTING PLATE TO
ACT AS WASHER
25km/h
16mph
90.00°
DESCRIPTION:-
SPEED DECAL/MOUNT FITTING INSTRUCTION.
MACHINE:-
SIMBA © 2009
DRAWN:- AGD
DATE:- 27/05/2009
PART NO.
FROM SERIAL NO.
TO SERIAL NO.
ASSEMBLY
AS3689
ISSUE
A

AS3689		SPEED DECAL/MOUNT FITTING INSTRUCTIONS		
ITEM	**PART NO**	**DESCRIPTION**	**QTY**	**COMMENTS**
1	P04754	NUT LOCK M8	4	ON MACHINE
2	P05535	WASHER FLAT M8	8	ON MACHINE
3	P09597	BOLT M8x25 GR. 8.8	4	ON MACHINE
4	P15207	LIGHT BRACKET RH	1	ON MACHINE
5	P15562	LIGHT BOARD RRH	1	ON MACHINE
6	P16838	DECAL-SPEED	1	
7	P16839	DECAL MOUNT-SPEED	1	
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SIMBA
Great Plains

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W www.simba.co.uk