CASE IH AGRICULTURE

SERVICE MANUAL

RB344 Silage Pack

Contents

INTRODUCTION

Contents

INTRODUCTION

Foreword

How to use this manual

The information in this manual has been structured using the Integrated Coding Environment (ICE). Ice is the new way in which technical information is created, stored and retrieved in the new Technical Information Database.

ICE coding classifies each repair operation three ways

1. Location: the function or component on the machine to which the information is related e.g. Hydraulic pump
2. Information type: the type of information describing the repair operation e.g. Remove
3. Product: The machine that the repair operation is created for e.g. Big Balers

Section contents

Your manual is first divided in sections. Sections are classified according to the main functions of the product. Each Section has a Contents page listed in numerical order and Index page listed in Alphabetical order.

Big Baler Section Contents

- DISTRIBUTION SYSTEMS
  (A) that interact with most of the functions of the product. it contains the central parts of the hydraulic, electrical, electronic, pneumatic and lubrication systems.
- POWER PRODUCTION
  (B) all of the functions related to the production of power to operate the vehicle PTO drive line and related parts.
- POWER TRAIN
  (C) all of the functions related to the transfer of power to operate the vehicle though a gearbox.
- TRAVELLING
  (D) this encompasses all parts related to the parts when the vehicle moves across ground, wheels, axles and brakes.
- BODY AND STRUCTURE
  (E) and protective shields
- CROP PROCESSING
  (K) encompasses all parts related to crop handling from pick up to bale ejecting.

Chapter contents

The Section is then divided in Chapters. Chapters are classified according to the specific function of the systems and components. Each Chapter has a contents page listed in numerical order and index page listed in alphabetical order.

An example of a Chapter and Contents, is the component e.g. LUBRICATION SYSTEM Greasing, where the system is sub divided and described through

1. TECHNICAL DATA, information describing specifications or characteristics of any function or system of the machine.
2. FUNCTIONAL DATA, information describing design and functional behavior of any function or system (How it works)
3. SERVICE, information describing the maintenance and repair of the machine.
4. DIAGNOSTIC, information related to systems, troubleshooting and errors.

An example of the ICE Coding reference could look like:

Pump - Install (A.60.C).

- A = SECTION
- 60 = CHAPTER
- C.20 = COMPONENT
- F = SERVICE

- 15 = BASIC

Page reference

Printed references found at the base of each page then equate to

- Publication number
- Revision date of the publication
- Publication date
- Chapter reference
- Page reference

Safety rules

IMPORTANT INFORMATION

- All repair and maintenance works listed in this manual must be carried out only by staff belonging to the Manufacturers Service network, strictly complying with the instructions given and using, whenever required, the special tools.
  Anyone who carries out the above operations without complying with the prescriptions shall be responsible for the subsequent damages.
- The manufacturer and all the organizations of its distribution chain, including - without limitation - national, regional or local dealers, reject any responsibility for damages due to the anomalous behaviour of parts and/or components not approved by the manufacturer himself, including those used for the servicing or repair of the product manufactures or marketed by the Manufacturer.
- In any case, no warranty is given or attributed on the product manufactures of marketed by the Manufacturer in case of damages due to an anomalous behaviour of parts and/or components not approved by the Manufacturer. No reproduction, though partial of text and illustrations allowed

SAFETY INFORMATION
WARNING AND DANGER SYMBOLS

- Warning symbols point out important personal safety messages. Carefully read the following safety regulations and observe advised precautions in order to avoid potential hazards and safeguard your health and safety. In this manual the symbol is accompanied by the following key words:
- DANGER", CAUTION", WARNING". Warnings concerning unsuitable repair operations that may jeopardize the safety of Repair personnel.
  DANGER - Specific warnings concerning potential hazards for operator safety or for other persons directly or indirectly involved.

ACCIDENT PREVENTION

- Most accidents or injuries that occur in workshops are the result of non observance of simple and fundamental safety regulations.
  For this reason, IN MOST CASES THESE ACCIDENTS CAN BE AVOIDED by foreseeing possible causes and consequently acting with the necessary caution and care. Accidents may occur with all types of machine, regardless of how well the machine in question was designed and built. A careful and judicious service technician is the best guarantee against accidents. Precise observance of the most basic safety rule is normally sufficient to avoid many serious accident.

DANGER

- Never carry out any cleaning, lubrication or maintenance operations when the tractor engine is running.

SAFETY RULES AND REGULATIONS

- Carefully follow specified repair and maintenance procedures.
- Do not wear rings, wrist watches, jewelry, unbuttoned or loose articles of clothing such as: ties, torn clothing, scarves, open jackets or shirts with open zips that may remain entangled in moving parts. It is advised to wear approved safety clothing, e.g.: non slip footwear, gloves, safety goggles, helmets, etc.
- Do not carry out repair operations with someone sitting in the driver’s seat, unless the person is a trained technician who is assisting with the operation in question.
- Do not operate the machine or use any of the implements from different positions, other than the driver’s seat.
- Do not carry out operations on the machine with the tractor engine running, unless specifically indicated.
- Stop the tractor engine and check that the hydraulic circuits are pressure-free before removing caps, covers, valves, etc.
- All repair and maintenance operations must be carried out using extreme care and attention.
- Service steps and platforms used in the workshop or elsewhere should be built according to standard accident prevention regulations.
- Disconnect the p.t.o. from the tractor and label all controls to indicate that the machine is being serviced. Any parts that are to be raises must be locked in position.

- Brakes are inoperative when manually released for repair or maintenance purposes. Use blocks or similar devices to control the machine in these conditions.
- Only use specified towing points for towing the machine. Connect parts carefully. Make sure that all pins and/or locks are secured in position before applying traction. Never remain near the towing bars, cables or chains that are operating under load.
- When loading or unloading the machine from the trailer (or other means of transport), select a flat area capable of sustaining the trailer or truck wheels. Firmly secure the machine to the truck or trailer and lock the wheels in the position used by the carrier.
- Electric heaters, battery-chargers and similar equipment must only be powered by auxiliary power supplies with efficient ground insulation to avoid electrical shock hazards.
- Always use suitable hoisting or lifting devices when raising or moving heavy parts. Take extra care if bystanders are present.
- Never use petrol, diesel oil or other inflammable liquids as cleaning agents. Use non inflammable, non toxic commercially available solvents.
- Wear safety goggles with side guards when cleaning parts with compressed air. Reduce the air pressure according to the local regulations in force.
- Do not run the tractor engine in confined spaces without suitable ventilation.
- Never use naked flames for lighting when working on the machine or checking for leaks.
- All movements must be carried out carefully when working under, on or near the machine. Wear protective equipment: helmets, goggles and special footwear.
- When carrying out checks with the tractor engine running, request the assistance of an operator in the driver's seat. The operator must maintain visual contact with the service technician at all times.
- If operating outside the workshop, position the machine on a flat surface and lock in position. If working on a slope, lock the machine in position. Move to a flat area as soon as is safely possibl
- Damaged or bent chains or cables are unreliable. Do not use them for lifting or towing. Always use suitable protective gloves when handling chains or cables.
- Chains should always be safely secured. Make sure that the hitch-up point is capable of sustaining the load in question. Keep the area near the hitch-up point, chains or cables free of all bystanders.
- Maintenance and repair operations must be carried out in a CLEAN and DRY area. Eliminate any water or oil spillage immediately.
- Do not create piles of oil or grease-soaked rags as they represent a serious fire hazard. Always store rags in a closed metal container. Before engaging the machine, make sure that there are no persons within the machine or implement range of action.
- Empty your pockets of all objects that may fall accidentally unobserved into the machine inner compartments.
- In the presence of protruding metal parts, use protective goggles or goggles with side guards, helmets, special footwear and gloves.
- When welding, use protective safety devices: tinted safety goggles, helmets, special overalls, gloves and footwear. All persons present in the area where welding is taking place must wear tinted goggles. NEVER LOOK DIRECTLY AT THE WELDING ARC WITHOUT SUITABLE EYE PROTECTION.
- Metal cables tend to fray with repeated use. Always use suitable protective devices (gloves, goggles, etc.) when handling cables.
- Handle all parts carefully. Do not put your hands or fingers between moving parts. Wear suitable safety clothing - safety goggles, gloves and shoes.

START UP

- Never run the tractor engine in confined spaces that are not equipped with adequate ventilation for exhaust gas extraction.
  Never place the head, body, limbs, feet, hands or fingers near rotating and moving parts.

HYDRAULIC SYSTEMS

- A liquid leaking from a tiny hole may be almost invisible but, at the same time, be powerful enough to penetrate the skin.

Therefore,NEVER USE HANDS TO CHECK FOR LEAKS but use a piece of cardboard or wood for this purpose. If any liquid penetrates skin tissue, call for medical aid immediately. Failure to treat this condition with correct medical procedure may result in serious infection or dermatosis.
In order to check the pressure in the system use suitable instruments.

WHEELS AND TYRES

- Make sure that the tyres are correctly inflated at the pressure specified by the manufacturer.
  Periodically check the rims and tyres for damage.
  Stand away from (at the side of) the tyre when checking inflation pressure.
  Do not use parts of recovered wheels as incorrect welding brazing or heating may weaken and eventually cause damage to the wheel.
  Never cut or weld a rim mounted with an inflated tyre.
  To remove the wheels, lock all wheels. After having raised the machine, position supports underneath, according to regulations in force.
  Deflate the tyre before removing any objects that may be jammed in the tyre tread.
  Never inflate tyres using inflammable gases, as this may result in explosions and injury to bystanders.

REMOVAL AND REFITTING

- Lift and handle all heavy parts using suitable hoisting equipment. Make sure that parts are sustained by appropriate hooks and slings. Use the hoisting eyebolts for lifting operations. Extra care should be taken if persons are present near the load to be lifted.
  Handle all parts carefully. Do not put your hands or fingers between parts. Wear suitable safety clothing - safety goggles, gloves and shoes.
  Avoid twisting chains or metal cables. Always wear safety gloves when handling cables or chains.

HAULING THE BALER

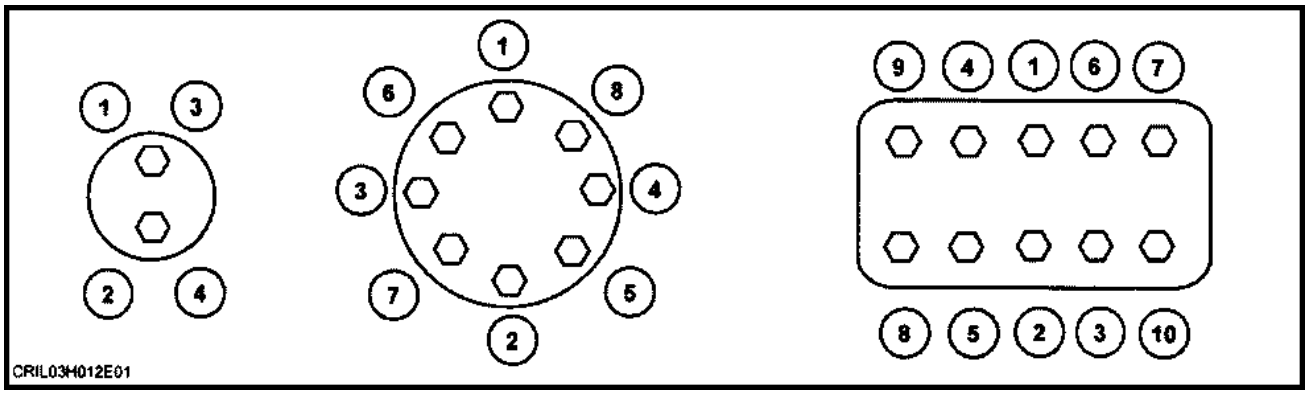
- When hauling the baler, always make sure that all loose components are securely fastened to the machine:
  P.t.o. front half
  Spare net roll basket
  Hydraulic hoses
  Bale command monitor and road light wire harnesses
  Twine balls
  Net rolls
  Pick-up wheels
  Operator monitor, tractor wire harness and battery cable
  Operator’s manual Close all guards and lock the pick-up in the transport position.

Lifting and craning points:
If attempting to lift the baler it will be necessary to attach the lifting chains at three points and they are from the tow hitch and either side of the baler frame using the lift points as identified by the lift decals.

Torque

Minimum hardware tightening torques Nm lb ft lb in for normal assembly applications unless otherwise stated

NOTICE: *Shown below is the suggested initial torque tightening sequences for general applications, tighten in sequence from item 1 through to the last item of the hardware.*



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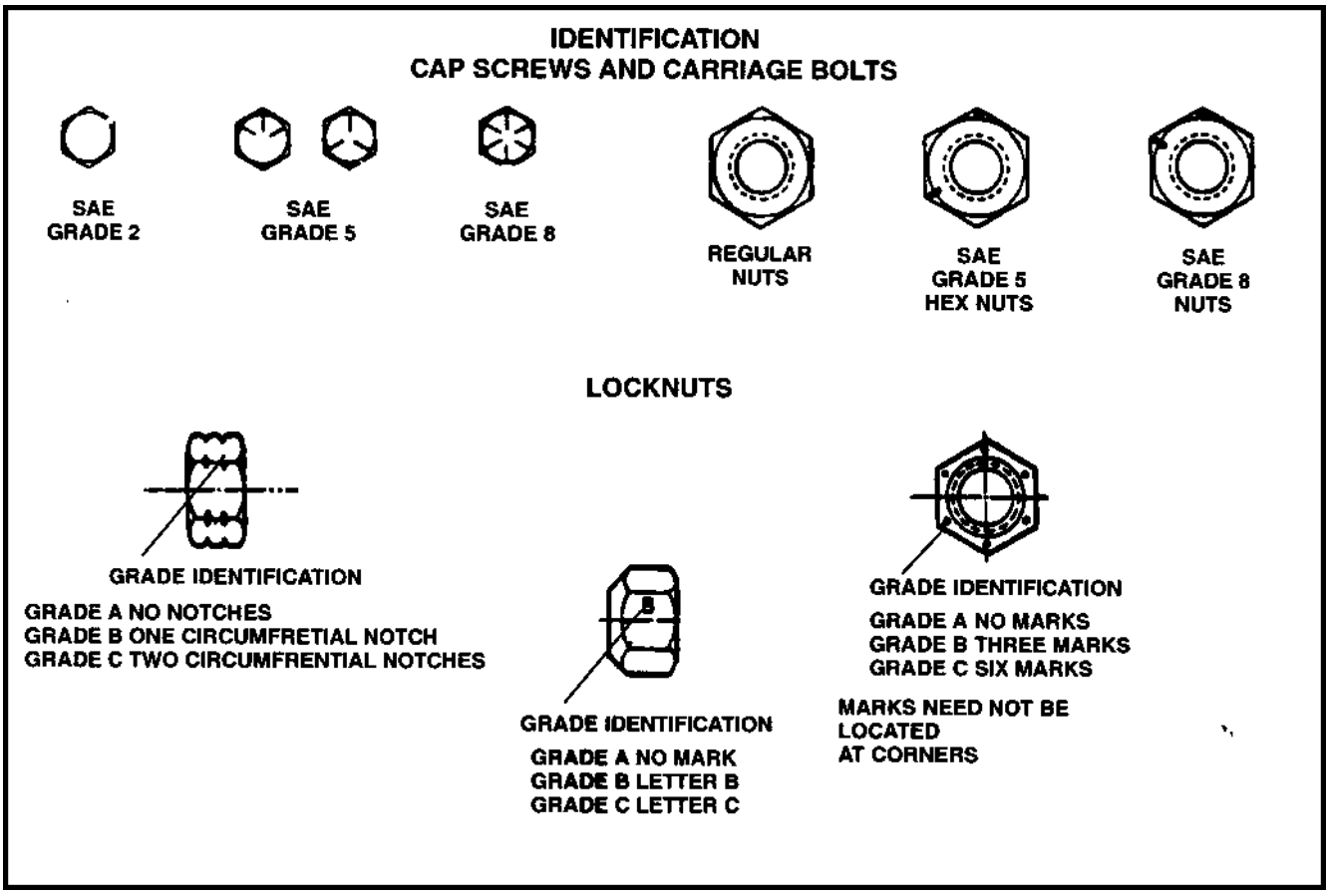
Imperial hardware

Nominal Size	SAE GRADE 2 Unplated or Silver plated	SAE GRADE 2 plated w/ZnCr GOLD	SAE GRADE 5 Unplated or Silver plated	SAE GRADE 5 plated w/ZnCr GOLD	SAE GRADE 8Unplated or Silver plated	SAE GRADE 8 plated w/ZnCr GOLD	LOCK-NUTS GR.B w/GR5 BOLT	LOCK-NUTS GR.B w/GR8 BOLT
1/4	6.2 Nm 55 lb in	8.1 Nm 72 lb in	9.7 Nm 86 lb in	13 Nm 112 lb in	14 Nm 121 lb in	18 Nm 157 lb in	6.9 Nm 61 lb in	9.8 Nm 86 lb in
5/16	13 Nm 115 lb in	17 Nm 149 lb in	20 Nm 178 lb in	26 Nm 229 lb in	28 Nm 250 lb in	37 Nm 324 lb in	14 Nm 125 lb in	20 Nm 176 lb in
3/8	23 Nm 17 lb ft	30 Nm 22 lb ft	35 Nm 26 lb ft	46 Nm 34 lb ft	50 Nm 37 lb ft	65 Nm 48 lb ft	26 Nm 19 lb ft	35 Nm 26 lb ft
7/16	37 Nm 27 lb ft	47 Nm 35 lb ft	57 Nm 42 lb ft	73 Nm 54 lb ft	80 Nm 59 lb ft	104 Nm 77 lb ft	41 Nm 30 lb ft	57 Nm 42 lb ft
1/2	27 Nm 42 lb ft	73 Nm 54 lb ft	87 Nm 64 lb ft	113 Nm 83 lb ft	123 Nm 91 lb ft	159 Nm 117 lb ft	61 Nm 45 lb ft	88 Nm 64 lb ft
9/16	81 Nm 60 lb ft	104 Nm 77 lb ft	125 Nm 92 lb ft	163 Nm 120 lb ft	176 Nm 130 lb ft	229 Nm 169 lb ft	88 Nm 65 lb ft	125 Nm 92 lb ft
5/8	112 Nm 83 lb ft	145 Nm 107 lb ft	174 Nm 128 lb ft	224 Nm 165 lb ft	244 Nm 180 lb ft	316 Nm 233 lb ft	122 Nm 90 lb ft	172 Nm 127 lb ft
3/4	198 Nm 146 lb ft	256 Nm 189 lb ft	306 Nm 226 lb ft	397 Nm 293 lb ft	432 Nm 319 lb ft	560 Nm 413 lb ft	217 Nm 160 lb ft	305 Nm 226 lb ft
7/8	193 Nm 142 lb ft	248 Nm 183 lb ft	495 Nm 365 lb ft	641 Nm 473 lb ft	698 Nm 515 lb ft	904 Nm 667 lb ft	350 Nm 258 lb ft	494 Nm 364 lb ft
1.0	289 Nm 213 lb ft	373 Nm 275 lb ft	742 Nm 547 lb ft	960 Nm 708 lb ft	1048 Nm 773 lb ft	1356 Nm 1000 lb ft	523 Nm 386 lb ft	739 Nm 545 lb ft

Metric hardware

Nominal Size	CLASS 5.8 UNPLATED	CLASS 5.8 UNPLATED	CLASS 8.8 UNPLATED	CLASS 8.8 UNPLATED	CLASS 10.9 UNPLATED	CLASS 10.9 UNPLATED	LOCKNUT CL.8 w/CL8.8 BOLT
M4	1.7 Nm 15 lb in	2.2 Nm 19 lb in	2.6 Nm 23 lb in	3.4 Nm 30 lb in	3.7 Nm 33 lb in	4.8 Nm 42 lb in	1.8 Nm 16 lb in
M6	5.8 Nm 51 lb in	7.6 Nm 67 lb in	8.9 Nm 79 lb in	12 Nm 102 lb in	13 Nm 115 lb in	17 Nm 150 lb in	6.3 Nm 56 lb in
M8	14 Nm 124 lb in	18 Nm 159 lb in	22 Nm 195 lb in	28 Nm 248 lb in	31 Nm 274 lb in	40 Nm 354 lb in	15 Nm 133 lb in

Nominal Size	CLASS 5.8 UNPLATED	CLASS 5.8 UNPLATED	CLASS 8.8 UNPLATED	CLASS 8.8 UNPLATED	CLASS 10.9 UNPLATED	CLASS 10.9 UNPLATED	LOCKNUT CL.8 w/CL8.8 BOLT
M10	28 Nm 21 lb ft	36 Nm 27 lb ft	43 Nm 32 lb ft	56 Nm 41 lb ft	61 Nm 45 lb ft	79 Nm 58 lb ft	30 Nm 22 lb ft
M12	49 Nm 36 lb ft	63 Nm 46 lb ft	75 Nm 55 lb ft	97 Nm 72 lb ft	107 Nm 79 lb ft	138 Nm 102 lb ft	53 Nm 39 lb ft
M16	121 Nm 89 lb ft	158 Nm 117 lb ft	186 Nm 137 lb ft	240 Nm 177 lb ft	266 Nm 196 lb ft	344 Nm 254 lb ft	131 Nm 97 lb ft
M20	237 Nm 175 lb ft	307 Nm 107 lb ft	375 Nm 277 lb ft	485 Nm 358 lb ft	519 Nm 383 lb ft	671 Nm 495 lb ft	265 Nm 195 lb ft
M24	411 Nm 303 lb ft	531 Nm 392 lb ft	648 Nm 478 lb ft	839 Nm 619 lb ft	897 Nm 662 lb ft	1160 Nm 855 lb ft	458 Nm 338 lb ft



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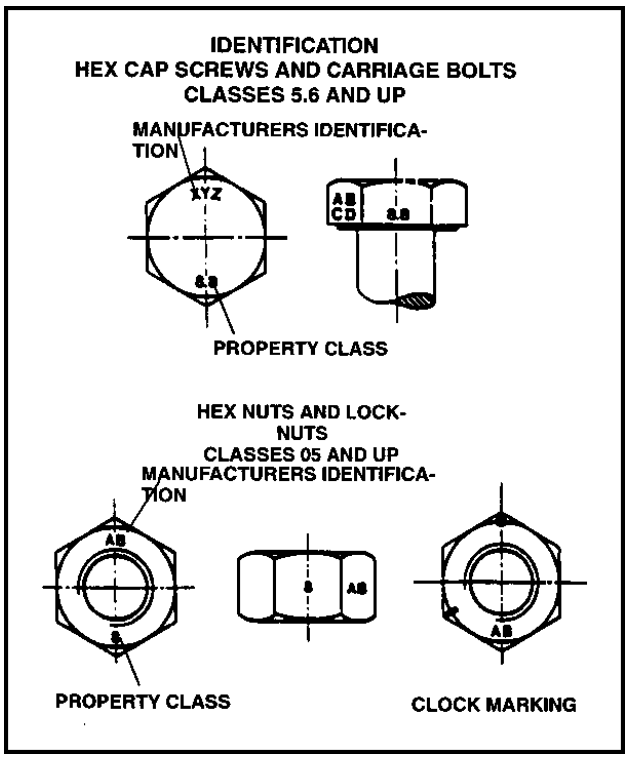
IDENTIFICATION
HEX CAP SCREWS AND CARRIAGE BOLTS
CLASSES 5.6 AND UP
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CLOCK MARKING

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Torque Hydraulic connectors

NOTICE: *The following data is for general use on lightly oiled threads on standard hydraulic connectors, where the counter parts are made of steel.*

BSP Hydraulic adapter connections

Nominal size of nut	Tightening Torque
BSP SIZE	Nm (Lbsf/ft)
1/8	**17 Nm** (**12.5 lb ft**)
1/4	**34 Nm** (**25.1 lb ft**)
3/8	**47 Nm** (**34.7 lb ft**)
1/2	**102 Nm** (**75.2 lb ft**)
5/8	**122 Nm** (**90.0 lb ft**)
3/4	**149 Nm** (**109.9 lb ft**)
1	**203 Nm** (**149.7 lb ft**)
1-1/4	**305 Nm** (**225.0 lb ft**)
1-1/2	**305 Nm** (**225.0 lb ft**)
2	**400 Nm** (**295.0 lb ft**)

O.R.F.S Hydraulic connections

Nominal size of nut SAE Dash	Thread	Equivalent BSP size	Tightening torque NM (lbsf/ft)
-	9/16-18	1/8	**14 Nm** (**10.3 lb ft**)
-4	11/16-16	1/4	**24 Nm** (**17.7 lb ft**)
-6	13/16-16	3/8	**33 Nm** (**24.3 lb ft**)
-8	1-14	1/2	**44 Nm** (**32.5 lb ft**)
-10	1-3/16-12	5/8	**58 Nm** (**42.8 lb ft**)
-12	1-7/16-12	3/4	**84 Nm** (**62.0 lb ft**)
-16	1-11/16-12	1	**115 Nm** (**84.8 lb ft**)
-20	2-12	1-1/4	**189 Nm** (**139.4 lb ft**)
-24	-	1-1/2	**244 Nm** (**180.0 lb ft**)

Metric connections

Nominal size of nut	Tightening Torque
Metric nut	Nm (Lbsf/ft)
M10	**18 Nm** (**13 lb ft**).
M12	**20 Nm** (**15 lb ft**).
M14	**25 Nm** (**19 lb ft**).
M16	**45 Nm** (**33 lb ft**).
M18	**50 Nm** (**37 lb ft**).
M20	**70 Nm** (**52 lb ft**).
M22	**75 Nm** (**55 lb ft**).
M26	**110 Nm** (**81 lb ft**).
M33	**220 Nm** (**162 lb ft**).
M42	**230 Nm** (**170 lb ft**).
M48	**250 Nm** (**258 lb ft**).

Metric

Nominal size of nut	Tightening torque NM (lbsf/ft)
5/16-24	**10 Nm** (**7 lb ft**).
3/8-24	**10 Nm** (**7 lb ft**).
7/16-20	**14 Nm** (**10 lb ft**).
1/2-20	**20 Nm** (**15 lb ft**).
9/16-18	**22 Nm** (**20 lb ft**).
5/8-18	**27 Nm** (**20 lb ft**).
3/4-16	**48 Nm** (**35 lb ft**).
7/8-14	**81 Nm** (**60 lb ft**).
1-1/16-12	**108 Nm** (**79 lb ft**).
1-3/16-12	**136 Nm** (**100 lb ft**).
1-5/16-12	**148 Nm** (**108 lb ft**).
1-5/8-12	**173 Nm** (**127 lb ft**).
1-7/8-12	**216 Nm** (**158 lb ft**).
2-1/2-12	**334 Nm** (**245 lb ft**).

NOTICE: *This data is for general use on lightly oiled threads on standard hydraulic connectors, where the counter parts are made of steel.*

Consumables

Description	Service Interval	Capacity	Brand	International Specification
Multipurpose Grease	10hr - Daily 50hr - Weekly 400hr - Annually		**CASE AKCELA 251H EP MULTI-PURPOSE GREASE**	NLG1 - Class 2
Gearbox oil	400hr - Annually	**1 L 0.26 US gal**	**CASE AKCELA 135H EP GEAR LUBE SAE 80W-90**	API GL5, MIL-L-2105 D SAE 80W-90
Chain Oil	50hr - Weekly		**CASE AKCELA HYDRAULIC EXCAVATORS FLUID BIO**	DIN 51524 part 2 HV 46 ISO VG 46 API CE-MIL-L-2104E MV46
Automatic lubrication system	10hr - Daily	**3 L 0.8 US gal**	**CASE AKCELA HYDRAULIC EXCAVATOR FLUID CASE AKCELA HYDRAULIC EXCAVATORS FLUID BIO**	DIN 51524 Part 2 HV 46 ISO VG 46 API CE-MIL-L-2104E
Linkages and rods	50hr - Weekly		**CASE AKCELA HYDRAULIC EXCAVATORS FLUID BIO**	DIN 51524 part 2 HV 46 ISO VG 46 API CE-MIL-L-2104E MV46 BIO

General specification

GENERAL INFORMATION

- This Repair Manual provides the technical information needed to properly service the round balers. Use this manual in conjunction with the Operator's Manual for complete operation, adjustment and maintenance information. On this equipment, left and right are determined by standing behind the unit, looking in the direction of travel.
- The descriptions and specifications contained in this manual were in effect at the time the manual was released for printing. The company reserves the right to discontinue models at any time, or to change specifications and design without notice and without incurring obligation.
- NOTE: Some illustrations in this manual were made of prototype or previous production models. Current production models may vary in some detail.

SHIMMING

- For each adjustment operation, select adjusting shims and measure individually using a micrometer, then add up the recorder values. Do not rely on measuring the entire shimming set, which may be incorrect, or the rated value indicated for each on shim.

ROTATING SHAFT SEALS

- For correct rotating shaft seal installation, proceed as follows:
- before assembly, allow the seal to soak in the oil it will be sealing for at least thirty minutes
- thoroughly clean the shaft and check that the working surface on the shaft is not damaged
- position the sealing lip facing the fluid; with hydrodynamic lips, take into consideration the shaft rotation direction and position the grooves so that they will deviate the fluid towards the inner side of the seal
- coat the sealing lip with a thin layer of lubricant (use oil rather than grease) and fill the gap between the sealing lip and the dust lip on double lip seals with grease
- insert the seal in its seat and press down using a flat punch, do not tap the seal with a hammer or mallet
- whilst inserting the seal, check that the it is perpendicular to the seat; once settled, make sure that it makes contact with the thrust element, if required
- to prevent damaging the seal lip on the shaft, position a protective guard during installation operations

O-RING SEALS

- Lubricate the O-RING seals before inserting them in the seats, this will prevent them from overturning and twisting, which would jeopardise sealing efficiency.

SEALING COMPOUNDS

- Apply one of the following sealing compounds on the mating surfaces marked with an X: RTV SILMATE, RHODORSIL CAF 1 or LOCTITE PLASTIC GASKET.
  Before applying the sealing compound, prepare the surfaces as follows:
  remove any incrustations using a metal brush;
  thoroughly de-grease the surfaces using one of the following cleaning agents: trichlorethylene, petrol or a water and soda solution.

COTTER PINS

- When fitting split cotter pins, ensure that the pin notch is positioned in the direction of the force required to stress the pin. Spiral cotter pins do not require special positioning.

SPARE PARTS

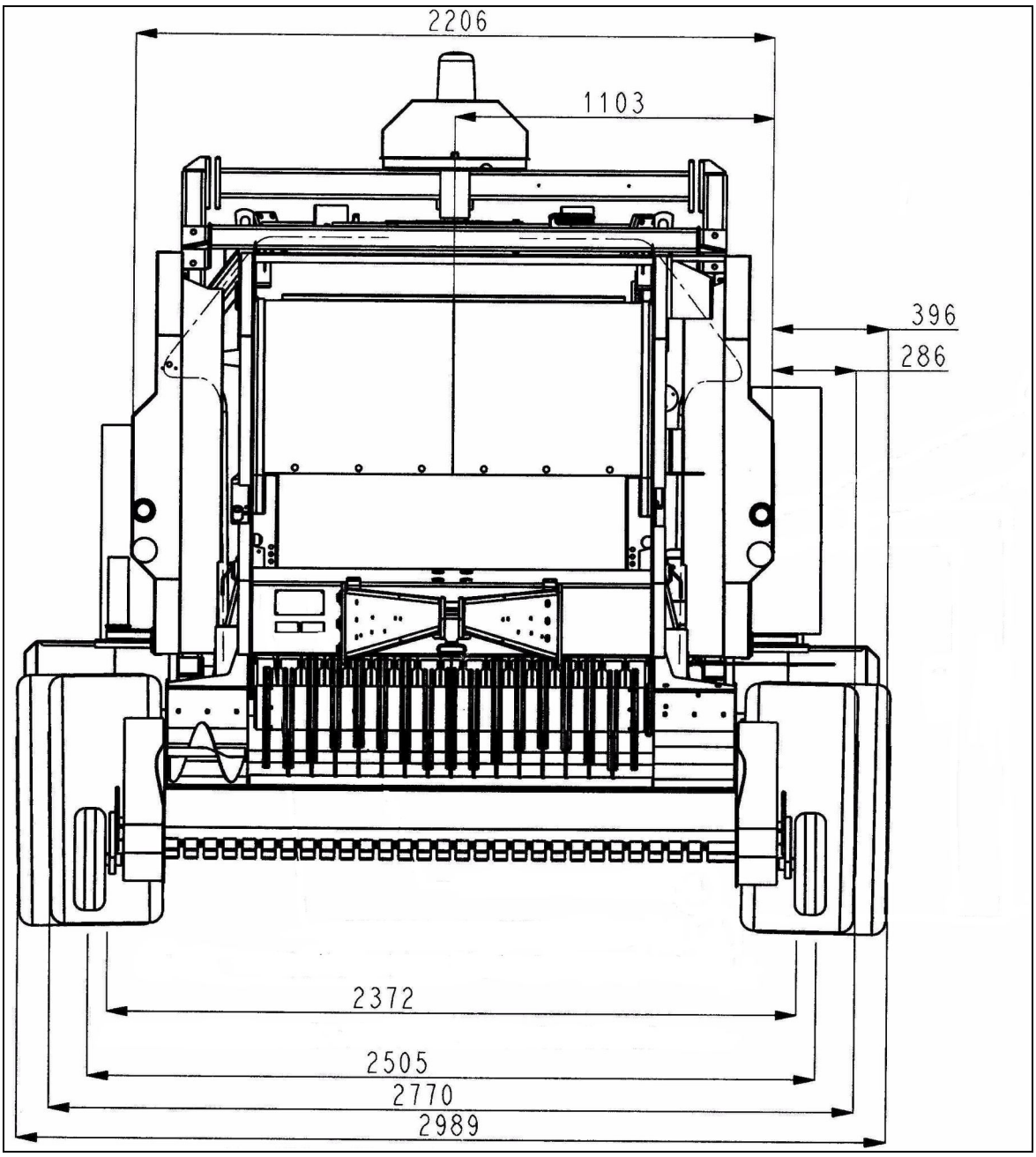
- Only use original spare parts bearing the COMPANY logo.
  Only genuine spare parts guarantee the same quality, duration and safety as original parts, as they are the same parts that are assembled during standard production. Only genuine spare parts can offer this guarantee. When ordering spare parts, always provide the following information:
  Machine model (commercial name) and serial number
  Part number of the ordered part, which can be found in the Spare Parts Catalogue, used for order processing

TOOLS

- The tools that manufacturer suggests and illustrates in this manual have been:
  specifically researched and designed for use with these machines
  essential for reliable repair operations
  accurately built and rigorously tested so as to offer efficient and long-lasting operation.
  By using these tools, Repair Personnel will benefit from: - operating in optimal technical conditions
  obtaining the best results - saving time and effort
  working in safe conditions

NOTE: *Wear limit values indicated for certain parts should be considered to be recommended, but not binding. The terms "front", "rear", "right-hand" and "left-hand" (when referred to different parts) are determined from the rear, facing in the direction of travel of the machine during operation.*

BALER WRAPPER	SPECIFICATIONS
TECHNICAL DATA	
Total length	**6.28 m 20.6 ft**
Total width (standard tyres)	**2.79 m 9.2 ft**
Total width (optional tyres)	**2.99 m 9.8 ft**
Total height	**2.83 m 9.3 ft**
Wheel spacing (standard)	**2.37 m 7.7 ft**
Wheel spacing (optional tyres)	**2.5 m 8 ft**
HYDRAULICS	
3 single-acting valves	Minimum **124 bar 1798 psi**Maximum **210 bar 3045 psi**
Output at **600 RPM**	Minimum **45 L/min 11.88 US gal**
ELECTRICS	
Monitor Software (From serial number 4710)	AFS200
BALE CHAMBER	
Width and Diameter	**120 cm 47.2 in**
BALE WEIGHT	
Range Minimum-Maximum	**120-800 kg 321-2143 lb**
Typical Straw	**120-200 kg 321-535 lb**
Hay	**180-300 kg 482-803 lb**
Silage	**350-800 Kg 937-2143 lb**
Total weight (less bale, net and film). Standard tyres, hydraulic brakes.	**4580 kg 10,076 lb**
TRACTOR REQUIREMENTS	
Minimum power	**67 kW 90 Hp**
Maximum power	**82 kW 110 Hp**
Maximum road speed	**40 km/h 25 mph**
Hydraulic oil flow requirements (closed centre)	
Oil flow from tractor required	Closed centre with continuous feed
Oil flow: minimum	**25 L/min 7 US gal**
Oil flow: maximum	**30 L/min 8 US gal**
Pressure: minimum	**150 bar 2175 psi**
Pressure: maximum	**210 bar 3045 psi**
Hydraulic oil flow requirements (open centre)	
Oil flow from tractor if open centre	Flow not to exceed **50 L/min 13 US gal** or fit an Optional divert valve with continuous feed
HITCH	
Type	Adjustable, High/Low
Low	**450-550 mm 17-21 in**
High	**750-1000 mm 29.5-39.5 in**



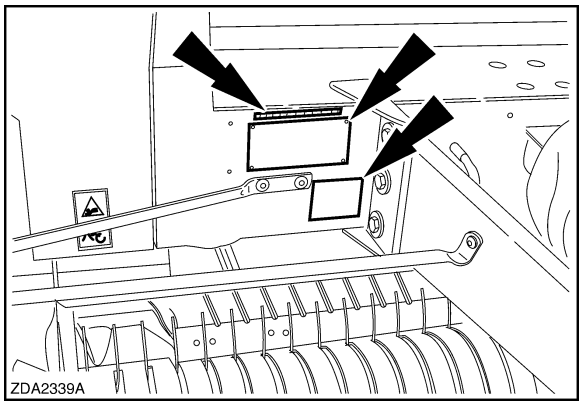
RBSPECS 1

General Dimensions

Product identification

9 Digit serial number (current)

These machines are identified using a 9 digit serial number and a manufacturing code shown as:
123456789
Where
12 = Model identification
3456 = Batch number
789 = sequence.
Model, serial number and year of manufacture are stamped on the manufacturer's identification plate which is located on the right-hand side of the baler frame.



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The serial number is also stamped in the baler frame just above the serial number plate.

NOTE: *For some countries an homologation plate is also installed just below the serial number plate.*

17 Digit serial numbers (where applied)

In future the serial number may consist of 17 digits, instead of the 9 digit number previously used.
Example of a 9 digit: 294868001, is now incorporated in the new 17 digit number
Example of new 17 digit with (9 digit included), HAF(294)00A10(868001)

Explanation of this example 17 digit number HAF29400A10868001 is :
Position one to three represent the World Manufacturer Code (WMC).
(HAF): Identifies the manufacturing plant code. Position four to eight form the Machine Descriptor Section (alpha numeric).
(29): Position four and five are the identification of the model within the product line = Baler Position six indicates the production assembly line number.
(4): Machine assembly line
(00): Position seven and eight are used for specific homologation indications, 00 = no specific homologation indication.
(A): Position nine is used as a check digit. (Only characters) The calculation of this character is based on the other sixteen digits from the serial number. Position ten to seventeen form the Machine Indicator Section. (Alpha numeric)
(10): Position ten and eleven are not used (value is zero) Position twelve up to fourteen represent the batch in which the machine was made.
(868): Indicates that the machine was built in batch. Position fifteen to seventeen represent the sequential number for each machine made within a batch.
(001): first machine built in batch 868.

SERVICE MANUAL

HYDRAULIC - PNEUMATIC - ELECTRICAL - ELECTRONIC SYSTEMS

RB344 Silage Pack

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