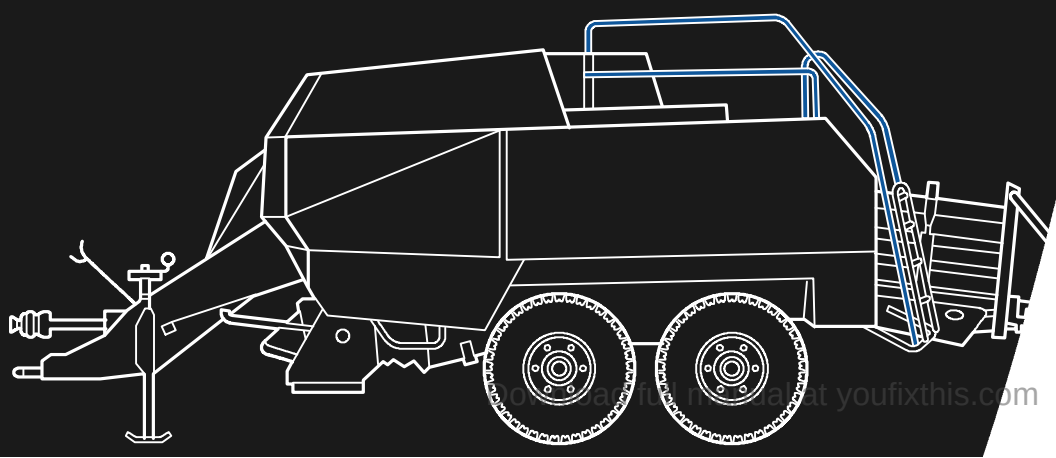
REPAIR MANUAL

NEW HOLLAND
BB930A
BB940A
BB950A
BB960A

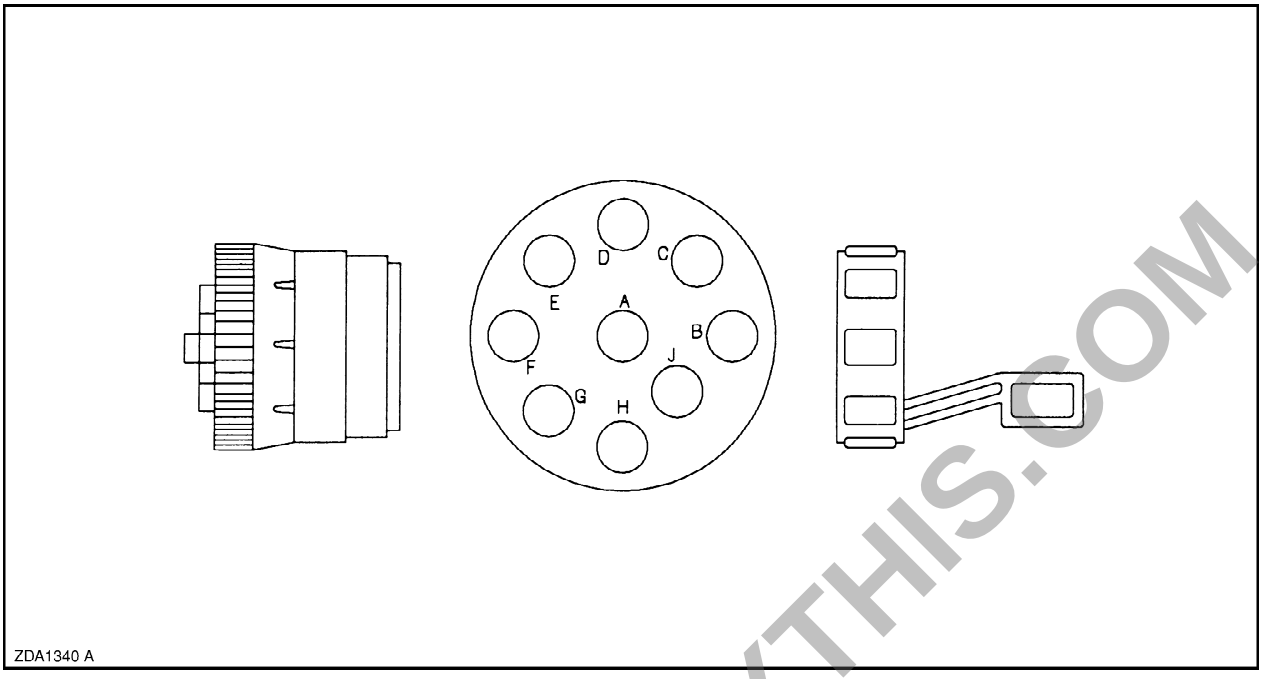
87585143

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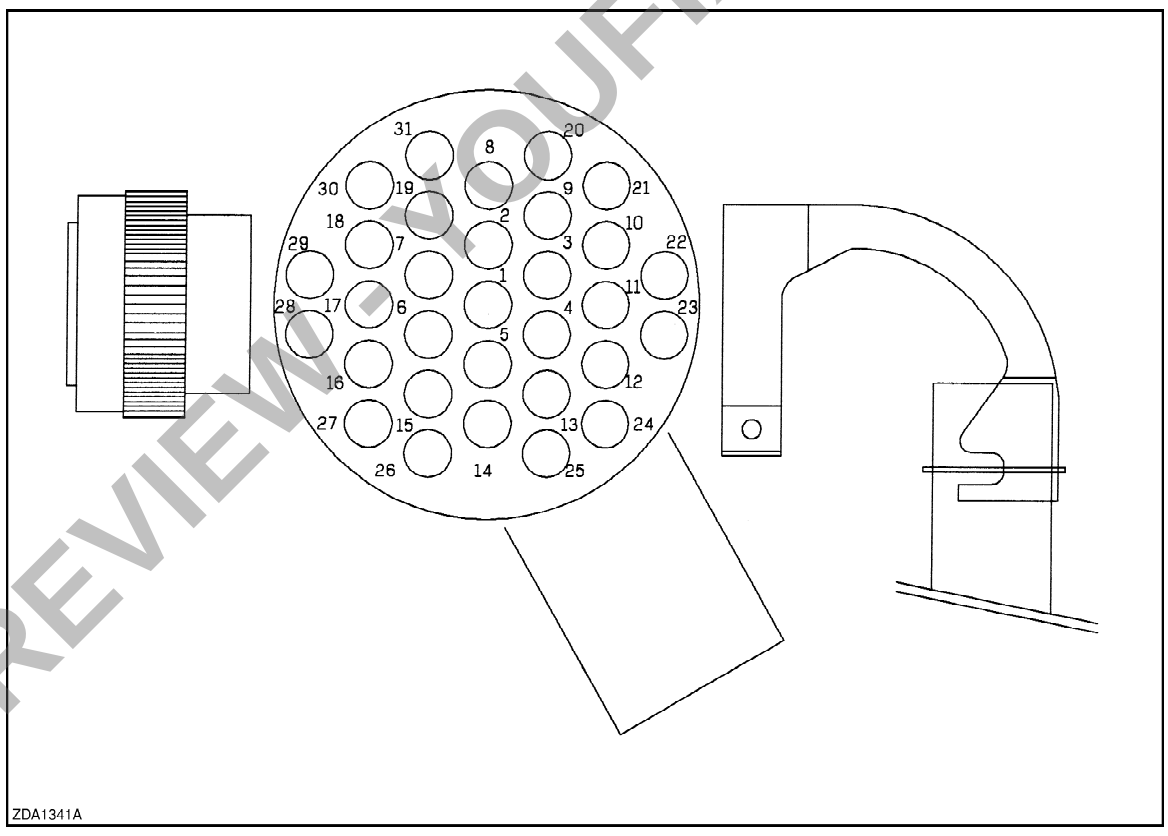
NEW HOLLAND

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ZDA1340A 6

X3, X4, X6



ZDA1341A 7

X1

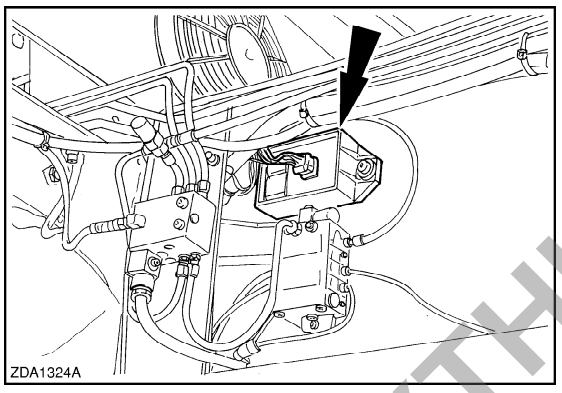
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Electrical light - Static description

BB950A S From serial number 4346, BB950A S From serial number 4412, BB950A R From serial number 4346, BB950A R From serial number 4412, BB940A P From serial number 4346, BB940A P From serial number 4412, BB940A R From serial number 4346, BB940A R From serial number 4412, BB940A S From serial number 4346, BB940A S From serial number 4412, BB960A R From serial number 4346, BB960A R From serial number 4412, BB960A S From serial number 4346, BB960A S From serial number 4412, BB930A S From serial number 4346, BB930A S From serial number 4412, BB930A R From serial number 4346, BB930A R From serial number 4412, BB930A P From serial number 4346, BB930A P From serial number 4412

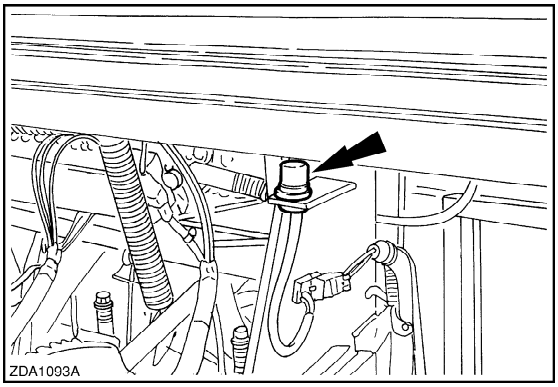
Road lighting module **(A14)**for North America only is fitted at the right-hand side of the machine behind the right-hand safety guard.



ZDA1324A 1

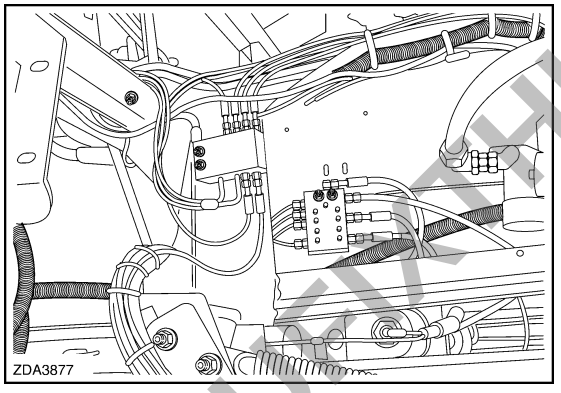
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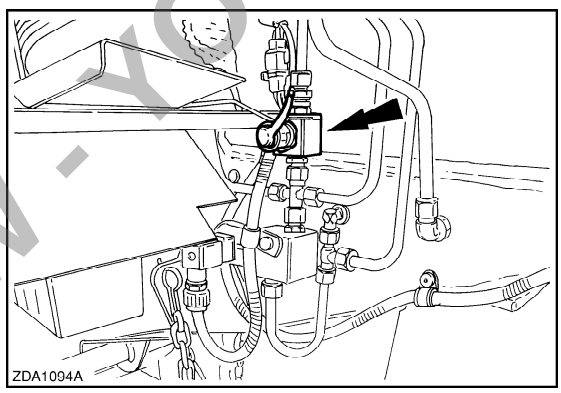
ZDA1093A 11

Greasing sensor system **(B15)** is mounted at the main grease bank on the right hand side of the baler



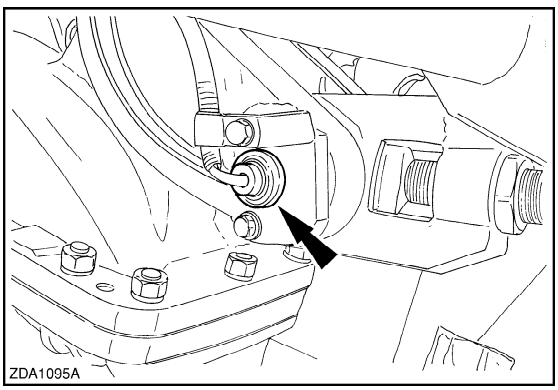
ZDA3877 12

Density pressure sensor **(B16)** is located at he left-hand side of the machine next to the density valve.



ZDA1094A 13

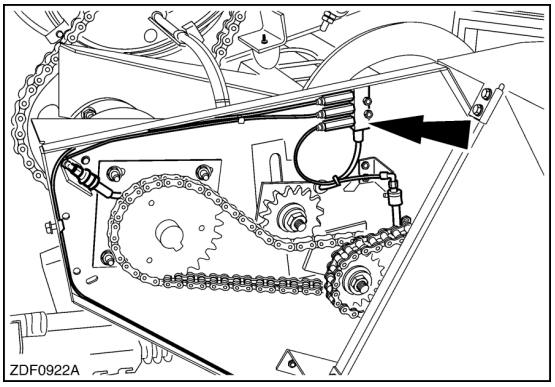
Plunger load sensor **(B17)** is located at the top of the main drive gearbox.



ZDA1095A 14

Bale chute protection sensor **(B18)** is located in the middle of the machine on the underneath the roller bale chute.

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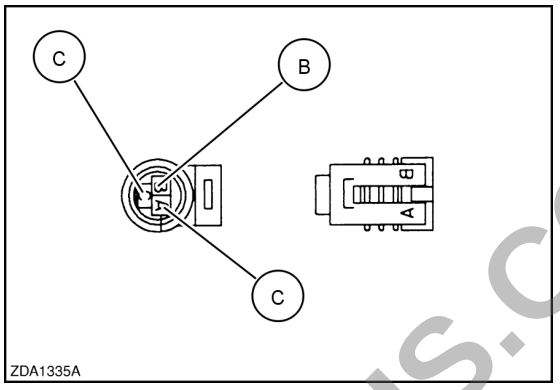
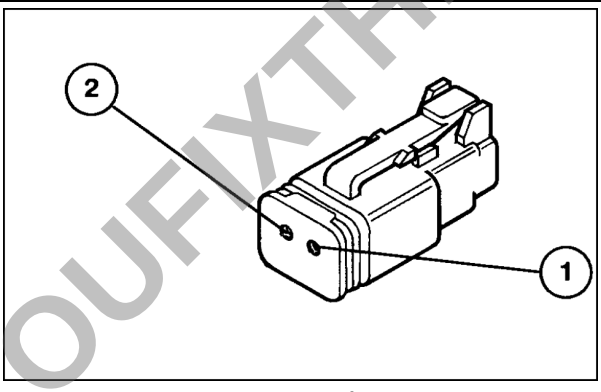
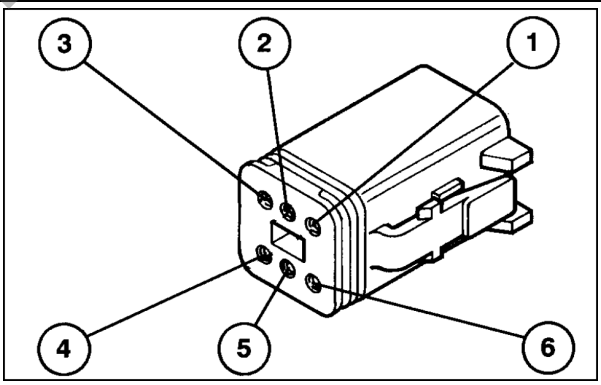
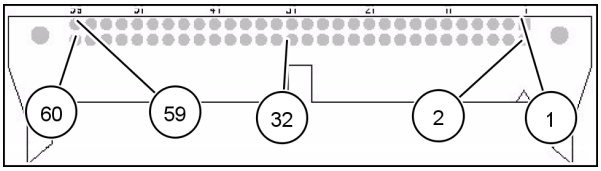


ZDF0922A 3

IMPORTANT: *On the monitor as set by the operator the oiling system can be set to run at intervals of (20 minutes high), (30 minutes normal) or (48 minutes low). During these intervals the motor will run and pump the oil for 4 seconds and stop for 30 seconds and will repeat this for 10 cycles when it will stop until the next set time interval. Then the 4 / 30 second cycle is repeated again for 10 cycles. The oiling system will also restart whenever the baler is started.*

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Connector number	Connector type
X20, X21, X22, X23, X118, X139, X140, X205, X503, X508.	12 volt connector
X101	 ZDA1335A 5
X102, X103, X104, X105, X106, X107, X108, X109, X110, X111, X112, X113, X114, X115, X117, X121, X122, X123, X125, X131, X132, X133, X134, X138, X141, X143, X202, X203, X204, X507 Y1, Y4.	 BBAS06X102 6
X24, X25, X120, X142, X200, X512.	 BBAS06X120 7
X30, X33, X34, X35.	 BBAS06X35 8

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DISTRIBUTION SYSTEMS - A

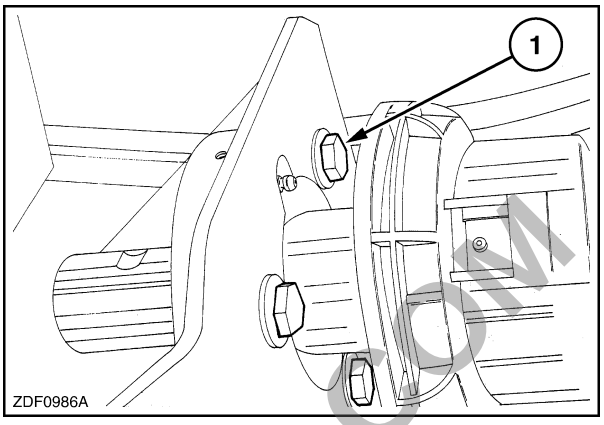
LIGHTING SYSTEM - 40.A

BB930A P , BB930A R , BB930A S , BB940A P , BB940A R , BB940A S , BB950A R , BB950A S , BB960A R , BB960A S

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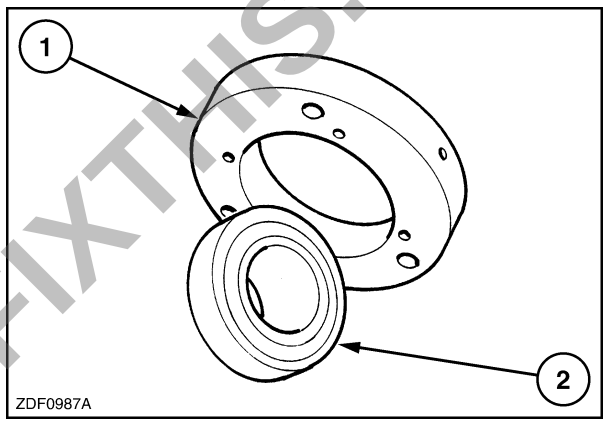
7. Slide off the rear PTO cover to expose the bearing housing and remove the x4 bolts **(1)**.



ZDF0986A 7

8. While supporting the shaft, slide the bearing housing from the shaft. The inner bearing is simply removed by turning the bearing through **90 °** and removing from its housing.

IMPORTANT: *The upper PTO shaft which is heavy can also be removed at this time.*

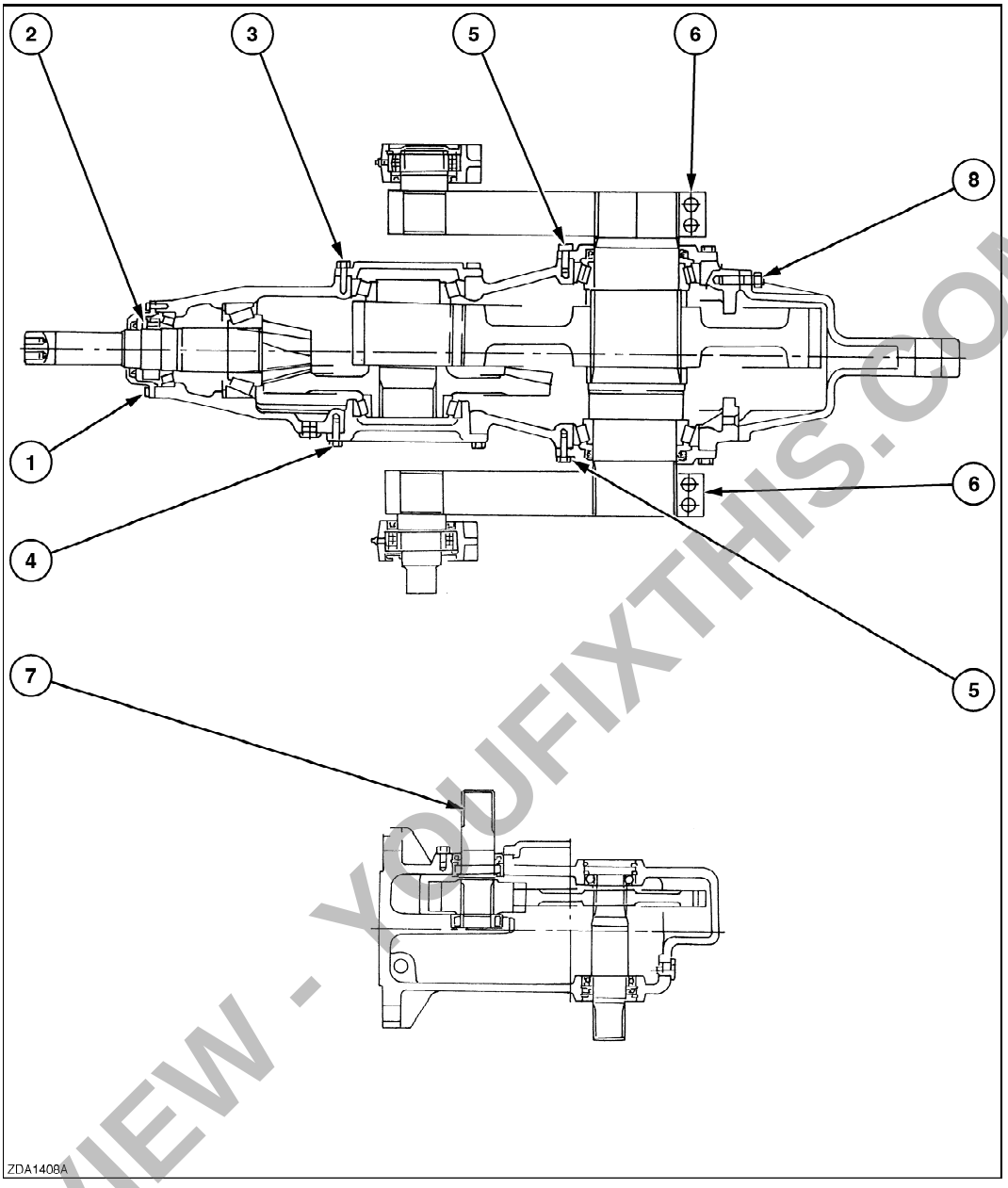


ZDF0987A 8

9. Reverse this procedure to re install PTO shaft assembly.

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ZDA1408A 1

1. Front cover fastening screws
2. Ring nut fastening Allen screws
3. Intermediate shaft RH side cover fastening screws
4. Intermediate shaft LH side cover fastening screws
5. Plunger crank shaft side cover fastening screws
6. Crank tightening screws
7. Packer/Rotor + pick-up shaft cover fastening screws
8. Upper cover fastening screws

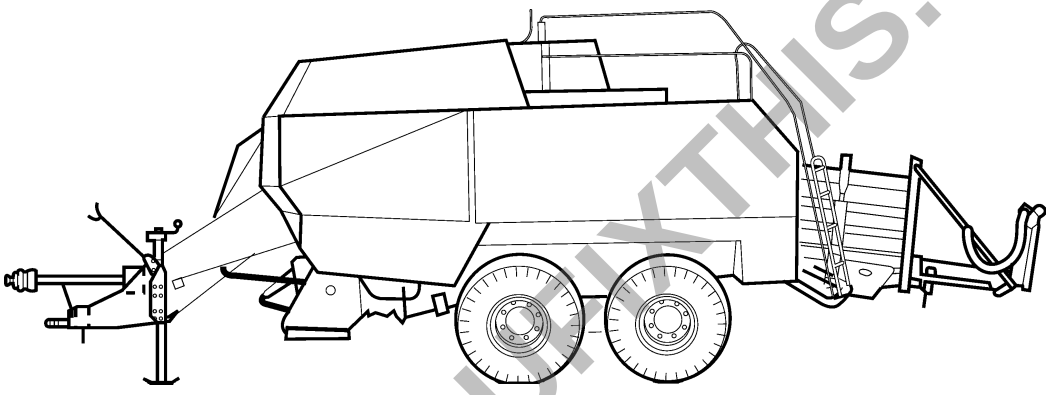
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REPAIR MANUAL

POWER PRODUCTION

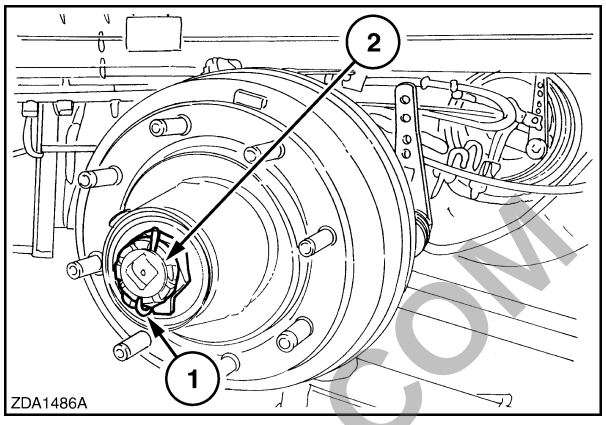


BB930A P , BB930A R , BB930A S , BB940A P , BB940A R , BB940A S , BB950A R , BB950A S , BB960A R , BB960A S

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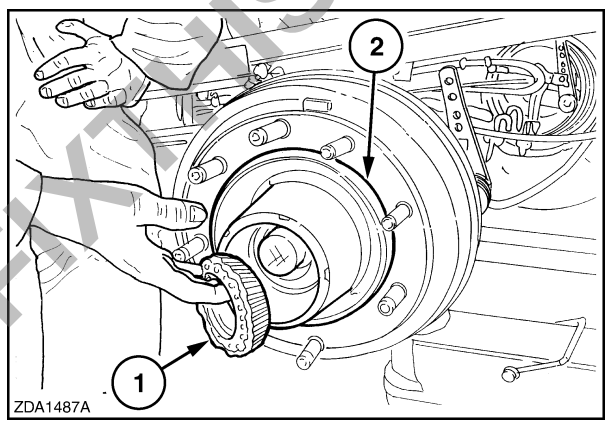
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5. Remove castle nut **(2)**



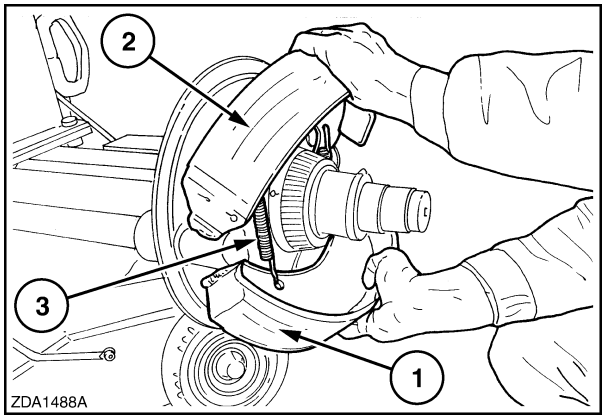
030620031085398 3

6. Remove inner ring of bearing **(1)**
7. Pull off wheel hub **(2)**



ZDA1487A 4

8. Remove brake shoes **(1 & 2)**
9. Remove springs from the brake **(3)**



ZDA1488A 5

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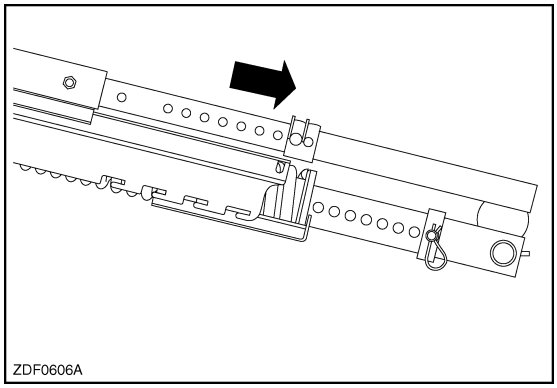
TRAVELLING - D

TOWED VEHICLE AXLE Single axle - 13.B

BB930A P , BB930A R , BB930A S , BB940A P , BB940A R , BB940A S , BB950A R , BB950A S , BB960A R , BB960A S

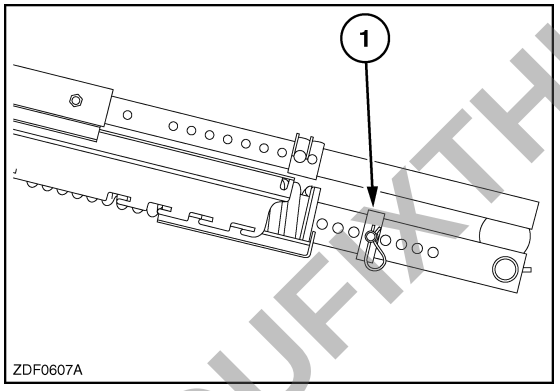
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ZDF0606A 3

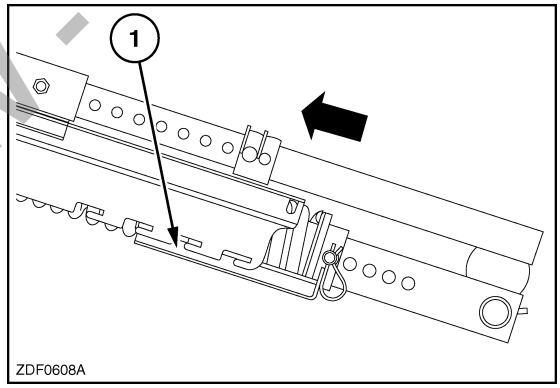
Relocate the lower collar (1) to the position that best suites your baler.



ZDF0607A 4

NOTE: *The setting selected will vary depending upon the tyre size fitted, the crop and field conditions the best which can only be determined by operation.*

Lower the pick up until the special tool (1) is free

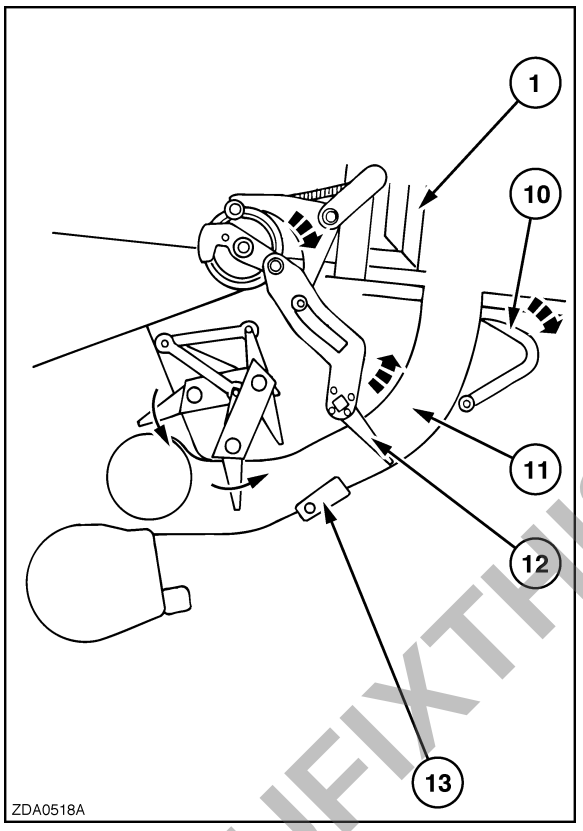


ZDF0608A 5

Remove the special tool at (2) and attach back onto the cylinder body using the two wing-nuts.

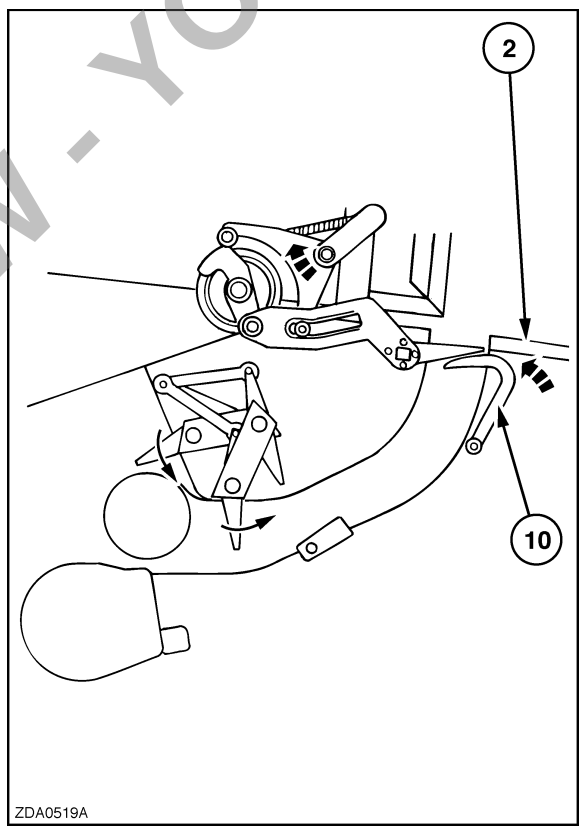
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ZDA0518A 2

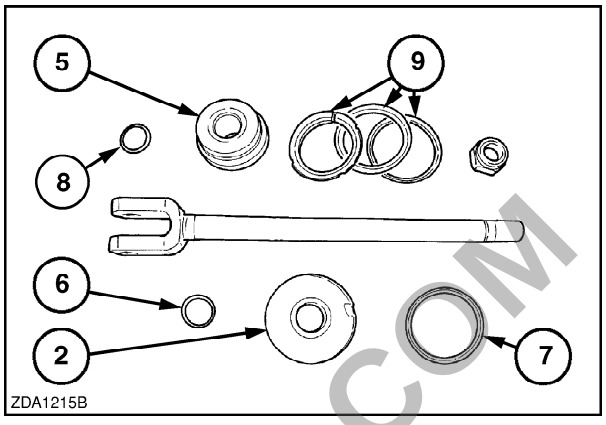
Crop holding fingers **(10)** return to their closed position as soon as the crop flake has been lifted into bale chamber **(2)**.



ZDA0519A 3

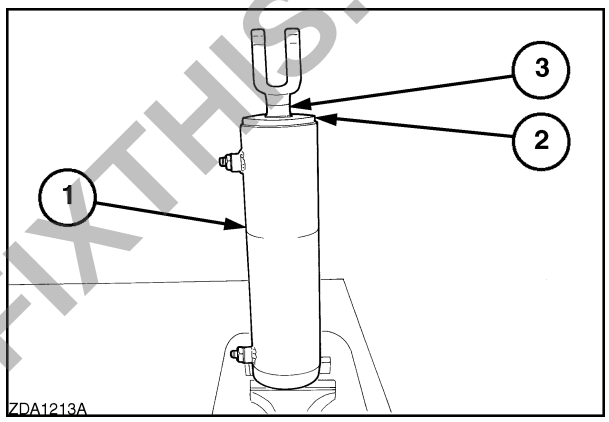
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4. Fit the ring nut **(2)** on the rod **(3)** then place the block **(5)** on the latter. Assemble the nut and tighten it fully.



ZDA1215B 4

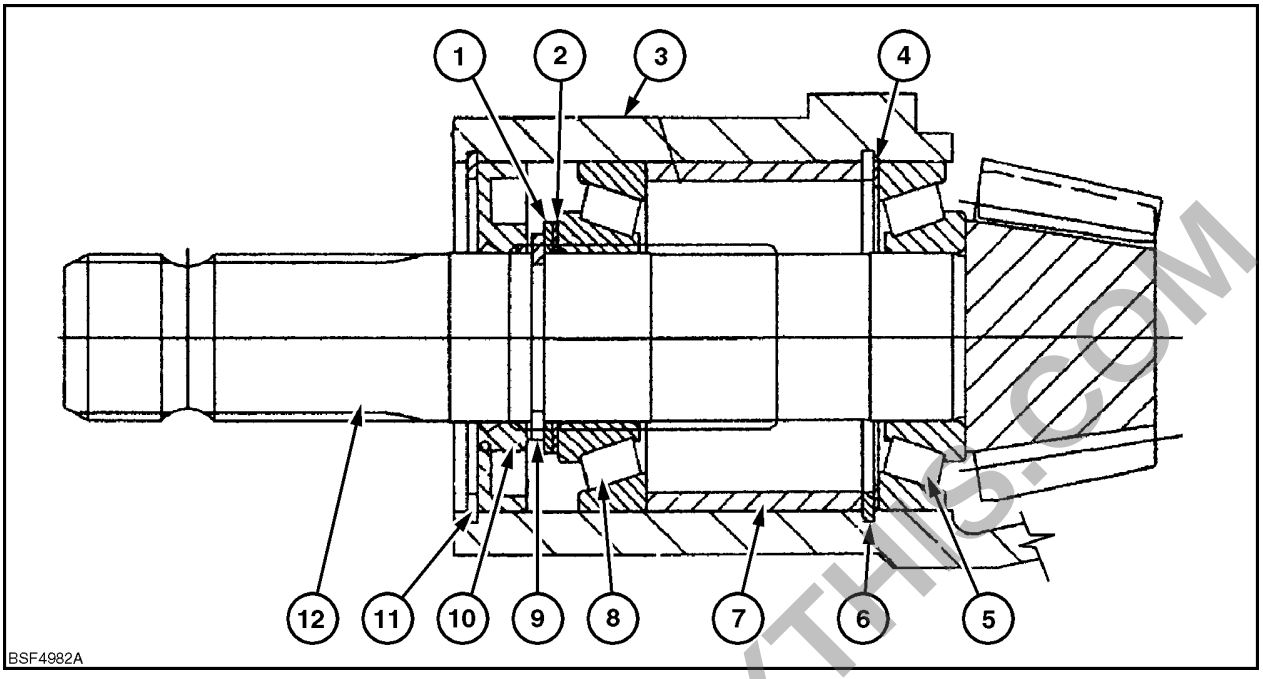
5. Fit the rod in the cylinder and fully tighten the ring nut **(2)**.



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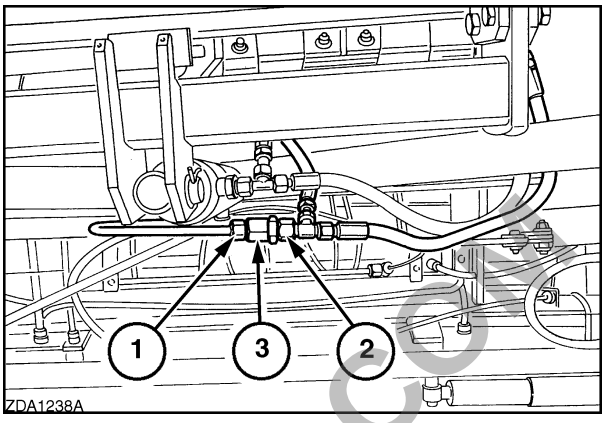
BSF4982A 2

1. Retaining ring	7. Pinion shaft
2. Gearbox housing	8. Bearing
3. Seal	9. Bearing
4. Retaining ring	10. Spacer
5. Spacer	11. Retaining ring
6. Shims	12. Shims

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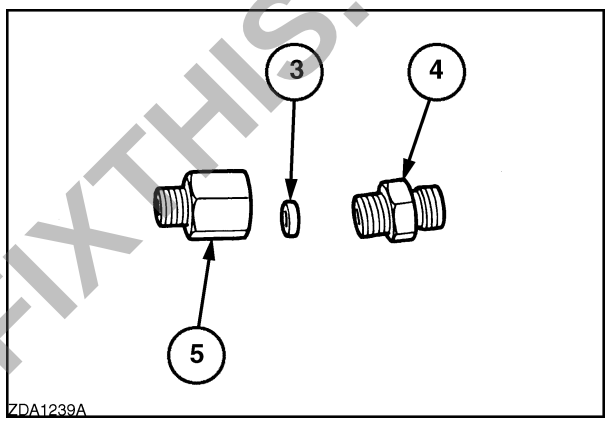
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3. UNIDIRECTIONAL FLOW RATE REDUCER HYDRAULIC FITTINGS: Disconnect the pipes **(1 & 2)** of the flow rate reducer unidirectional valve **(3)** and take it out.



ZDA1238A 3

4. Loosen the fitting **(4)** and keep the unidirectional valve **(3)**placed inside the block **(5)**.



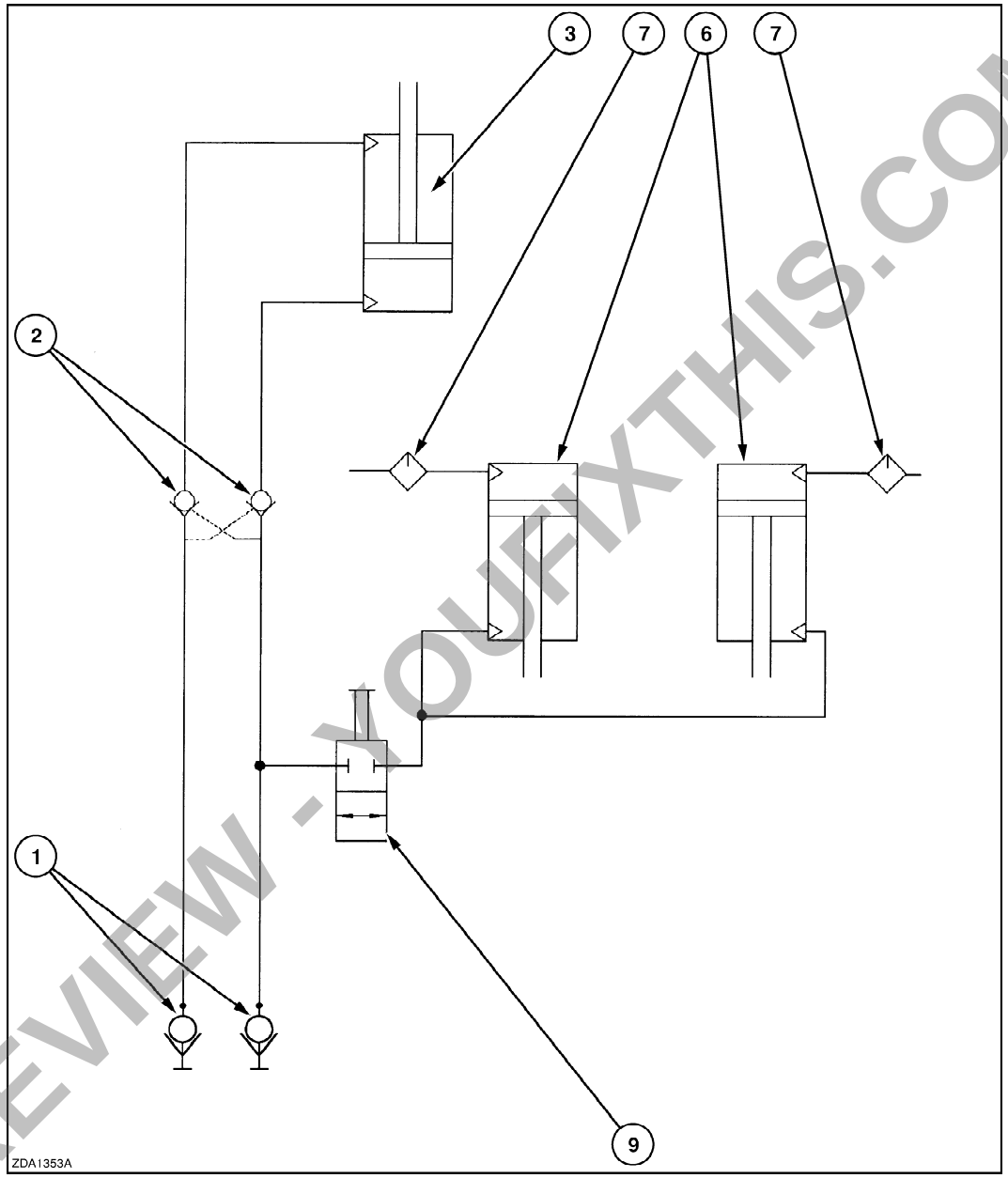
ZDA1239A 4

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Knife engagement system - Hydraulic schema

BB950A S From serial number 4346, BB950A S From serial number 4412, BB950A R From serial number 4346, BB950A R From serial number 4412, BB940A P From serial number 4346, BB940A P From serial number 4412, BB940A R From serial number 4346, BB940A R From serial number 4412, BB940A S From serial number 4346, BB940A S From serial number 4412, BB960A R From serial number 4346, BB960A R From serial number 4412, BB960A S From serial number 4346, BB960A S From serial number 4412, BB930A S From serial number 4346, BB930A S From serial number 4412, BB930A R From serial number 4346, BB930A R From serial number 4412, BB930A P From serial number 4346, BB930A P From serial number 4412



ZDA1353A 1

1. Quick-fit couplers	6. Blade-holding assembly lowering cylinders
2. Lock valve	7. Bleeds
3. Blade engagement cylinder	9. Manually-operated deflecting valve

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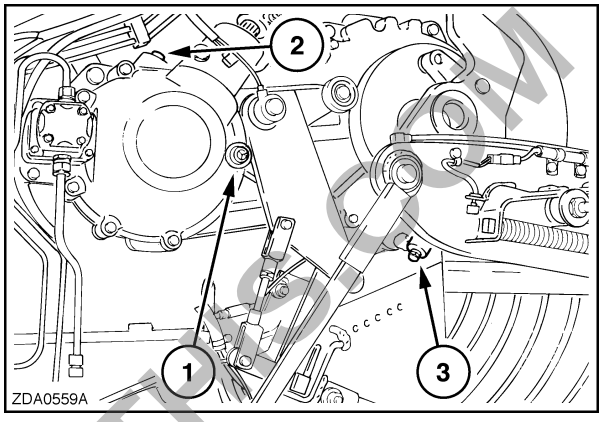
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Gearbox - Filling

BB950A S From serial number 4346, BB950A S From serial number 4412, BB950A R From serial number 4346, BB950A R From serial number 4412, BB940A P From serial number 4346, BB940A P From serial number 4412, BB940A R From serial number 4346, BB940A R From serial number 4412, BB940A S From serial number 4346, BB940A S From serial number 4412, BB960A R From serial number 4346, BB960A R From serial number 4412, BB960A S From serial number 4346, BB960A S From serial number 4412, BB930A S From serial number 4346, BB930A S From serial number 4412, BB930A R From serial number 4346, BB930A R From serial number 4412, BB930A P From serial number 4346, BB930A P From serial number 4412

1. Keep the stuffer gearbox filled at all times, capacity **3.75 L 1 US gal**. The oil level is correct when it just reaches the middle of check level indicator **(1)** make sure the baler is on a level surface. Level indicator **(1)** is accessible after opening the left-hand side safety guard. When necessary, add oil through filler port **(2)**.

IMPORTANT: *Always clean the filler port and the surrounding area before removing the filler plug to top up or replace the oil.*



ZDA0559A 1

2. Oil Change: Annually or every 10000 bales. Drain the oil through plug **(3)**. Viscosity grade: SAE 85W-140 or an oil meeting the following specifications: API-GL5, MIL-L-2105 D.

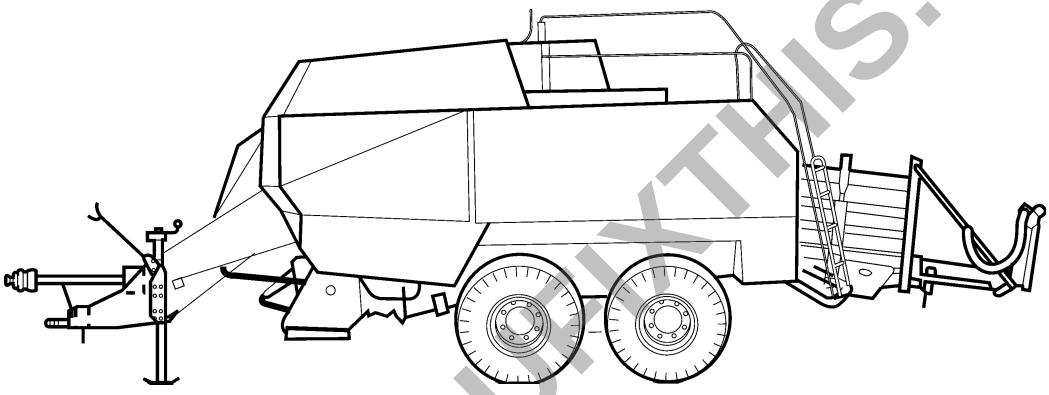
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CROP PROCESSING



BB930A P , BB930A R , BB930A S , BB940A P , BB940A R , BB940A S , BB950A R , BB950A S , BB960A R , BB960A S

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CROP PROCESSING - K

PRESSING Square bale pressing - 50.E

BB930A P , BB930A R , BB930A S , BB940A P , BB940A R , BB940A S , BB950A R , BB950A S , BB960A R , BB960A S

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CROP PROCESSING - K

WRAPPING AND TYING Twine tying - 55.B

BB930A P , BB930A R , BB930A S , BB940A P , BB940A R , BB940A S , BB950A R , BB950A S , BB960A R , BB960A S

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CROP PROCESSING - K

EJECTING Square bale - 70.C

BB930A P , BB930A R , BB930A S , BB940A P , BB940A R , BB940A S , BB950A R , BB950A S , BB960A R , BB960A S

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LUBRICATION SYSTEM Greasing A.60.B

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LIGHTING SYSTEM A.40.A

ELECTRONIC SYSTEM A.50.A

LUBRICATION SYSTEM Greasing A.60.B

LUBRICATION SYSTEM Oiling A.60.C

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TRAVELLING - D

PULLED-TYPE VEHICLE BRAKE Pneumatic - 36.E

BB930A P , BB930A R , BB930A S , BB940A P , BB940A R , BB940A S , BB950A R , BB950A S , BB960A R , BB960A S

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