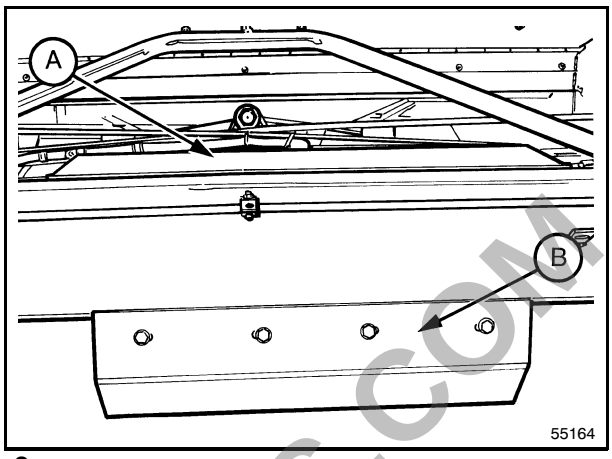
REMOVAL

1. Remove cover A and cover B.

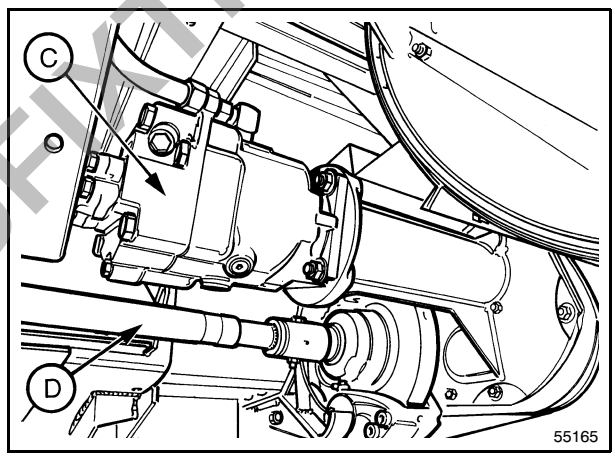


3

CAUTION:
Before removing any components, secure the machine safely in place by placing adequate wedges against both traction and steering wheels.

Items 2. through 6., Figures 4 and 5, CT5050-CT5060, CT5080

2. Remove hydrostatic motor C, and drive shaft D on both sides of the gearbox.



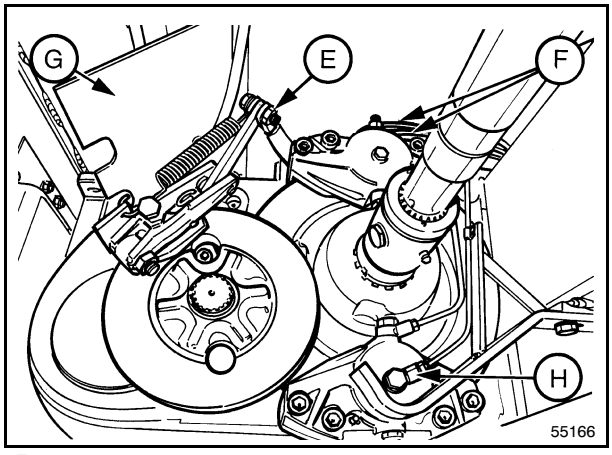
4

3. Remove cover G.

4. Disconnect hand brake cable E and wires F on both sides.

5. Remove tubes H on both sides of the gearbox.

6. Remove the cable for the differential lock.

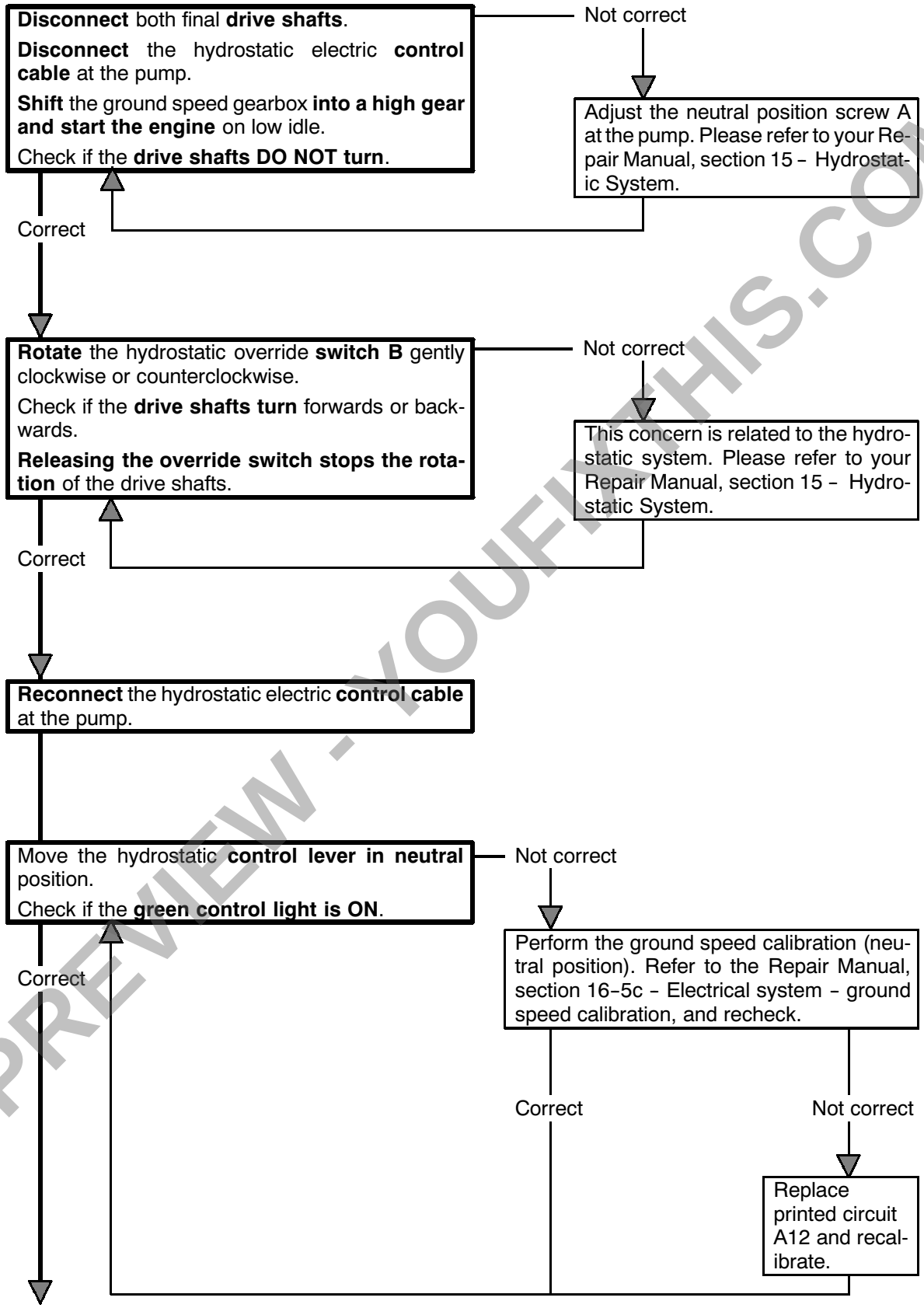


5

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

No neutral position



PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

CONTENS

	Section
Introduction	01
Traction and Steering Axle	02
Grain Header	03
Straw Elevator	05
Threshing	06
Separation	07
Cleaning	08
Grain Storage	09
Engine	12
Airconditioning	13
Hydraulic System	14
Hydrostatic System	15
Electrical System	16

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

ASSEMBLY

NOTE:
Either one of two classes of pistons may have been installed originally: a class 1 piston (0.1 mm oversized) is rare and is marked “1” on the piston head and its corresponding cylinder bore.
Class 0 (zero) pistons and cylinder bores are standard and are NOT marked.
Make sure that proper repair kit is ordered when servicing piston assemblies.

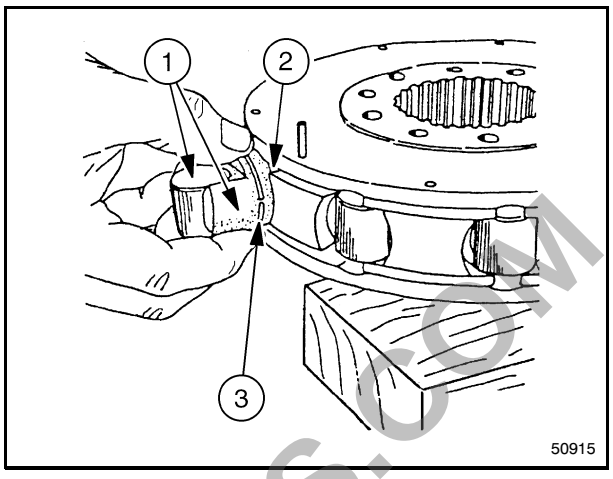
1. Refer to Figure 123
Coat new piston assembly 1 and cylinder bore 2 with hydraulic oil. Install each piston assembly into its bore by squeezing piston rings 3 with fingers while pushing piston assembly into bore.

NOTE:
Pistons should move freely in cylinder block bores. If movement feels rough, examine pistons and bores for scoring or contamination. If scoring is excessive, replace with new (complete) cylinder block assembly (includes piston assemblies).

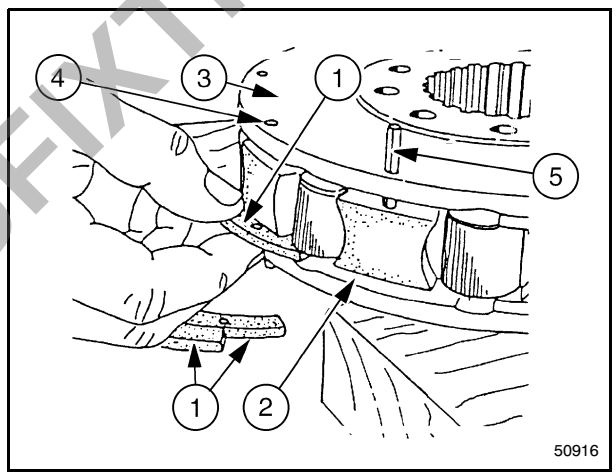
2. Refer to Figure 124
Reinstall piston/roller retainers 1 into grooves 2 of cylinder block 3. Align holes in guide segments with roll pin holes 4 in cylinder block. Using a punch and hammer, tap in new roll pins 5 into cylinder block to secure retainers.

NOTE:
Roll pins should be tapped in BELOW the cylinder block surface an equal amount on both sides.

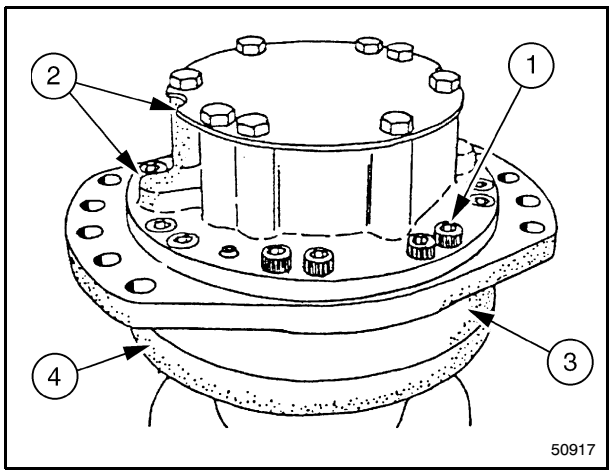
3. Refer to Shafts/Grease seals and bearings chapter, paragraph headed “Reassembly”, for final wheel motor reassembly and reinstallation onto machine.



123



124

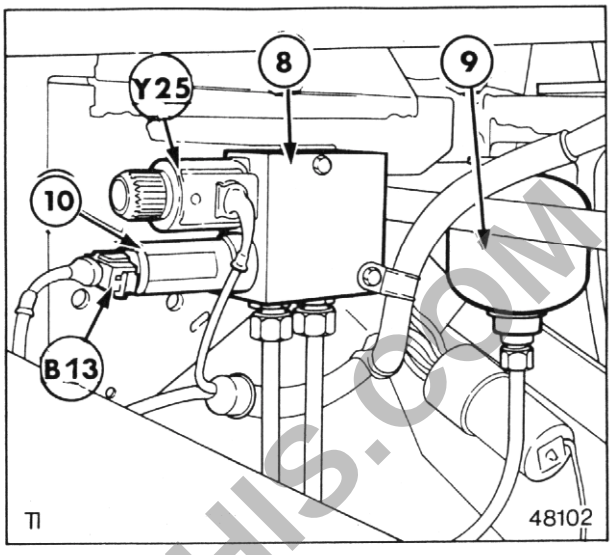


125

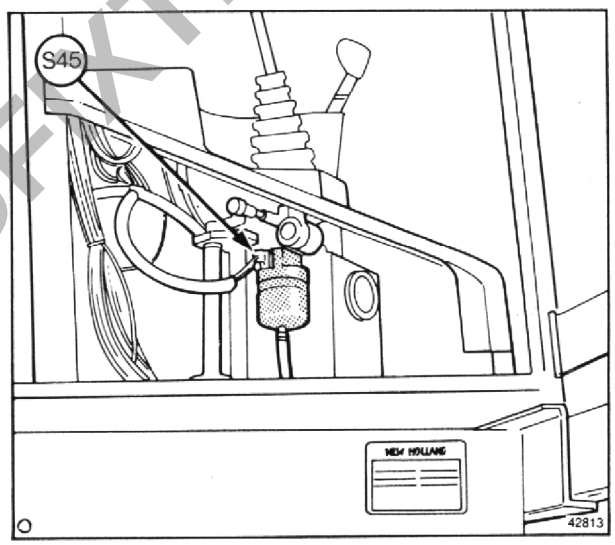
PREVIEW - YOUFIXTHIS.COM

15

Download full manual at youfixthis.com



15

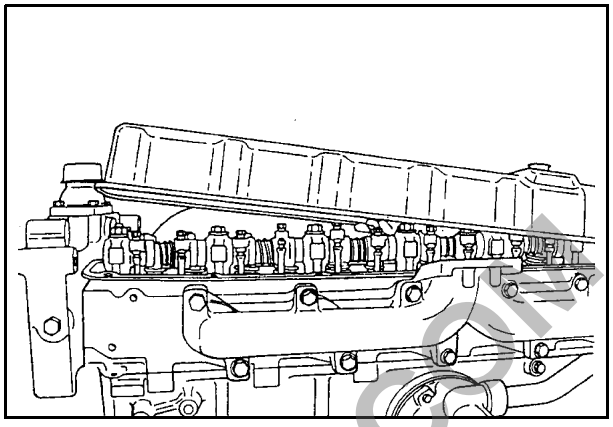


16

PREVIEW - YOUFIXTHIS.COM

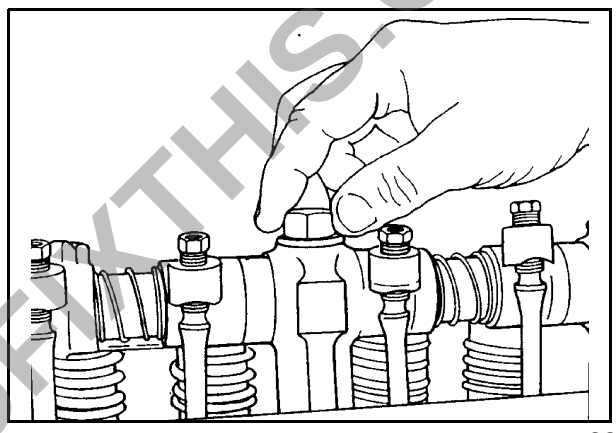
Download full manual at youfixthis.com

9. Remove the rocker cover and gasket.



37

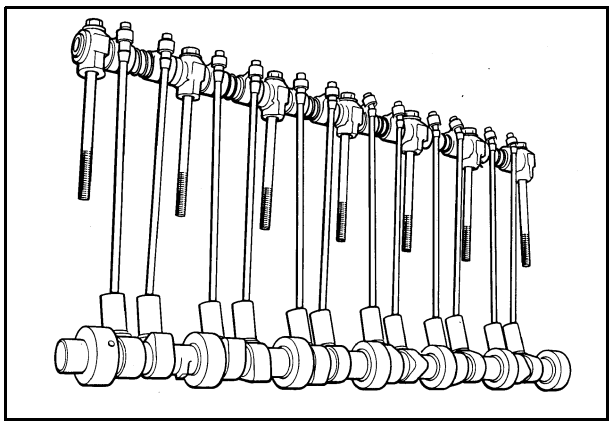
10. Loosen the rocker shaft retaining bolts (which also serve as head bolts) evenly and alternately and remove the rocker shaft assembly.



38

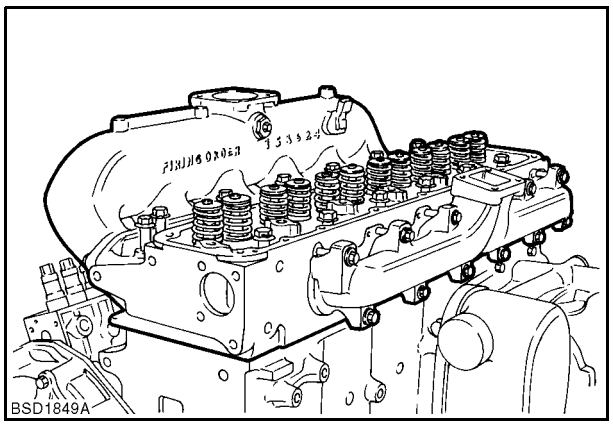
NOTE: *Leave bolts in the rocker shaft supports during removal, as they retain the support on the shaft.*

11. Remove pushrods in turn and place in a numbered rack to maintain the same position for reassembly.



39

12. Remove remaining cylinder head bolts by working progressively from each end of the cylinder head towards the centre.
13. Carefully lift the cylinder head assembly away from the engine block.



40

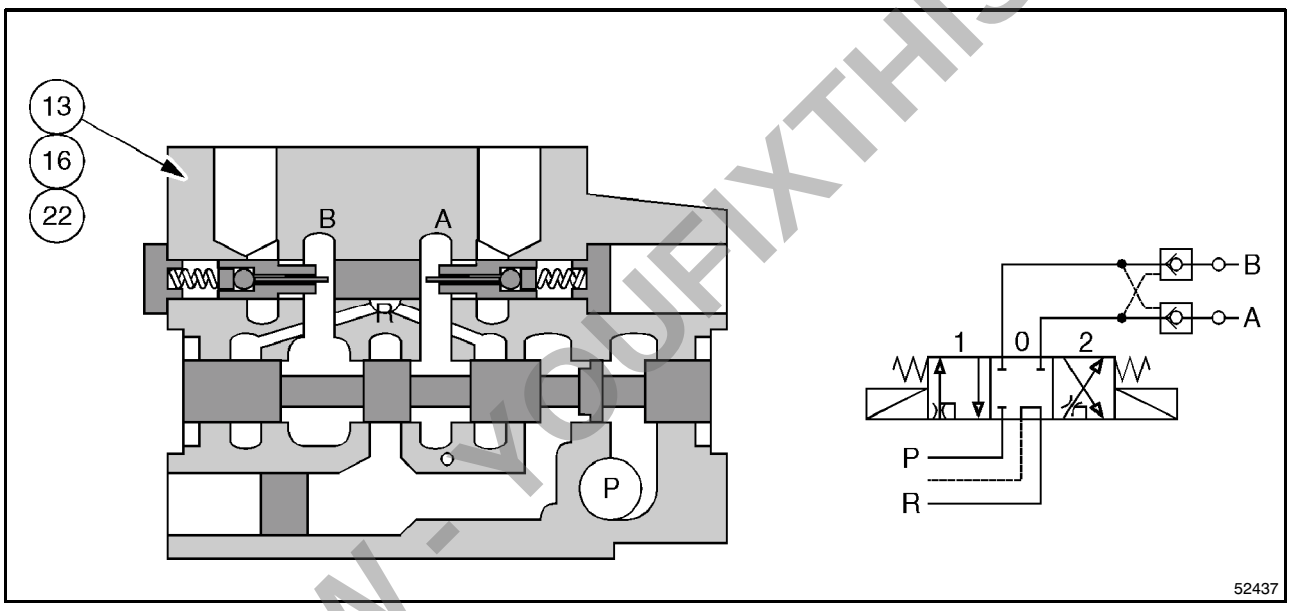
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

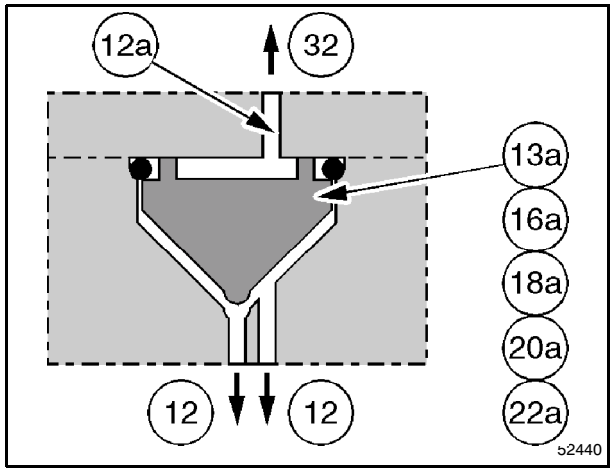
Operation of reel horizontal adjustment valve 13, unloading tube control valve 16 and lateral float control valve 22

When switching one of these valves, lock-out valves 13a, 16a or 22a (Fig. 1) allow stand-by oil to enter the load sensing line.

Now full oil flow is available towards the hydraulic cylinder. Check valves are installed in the connections towards the cylinder.



24

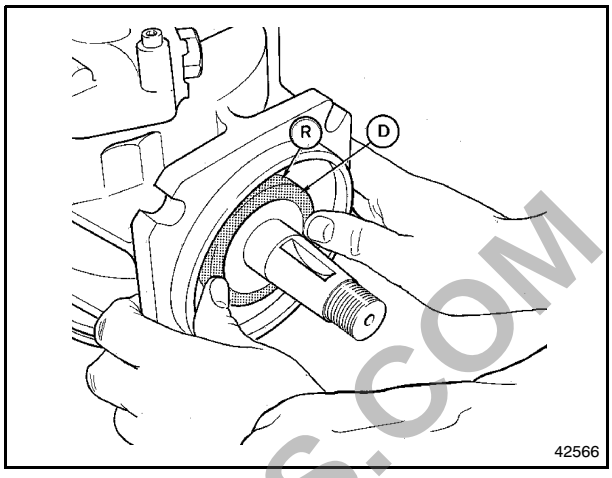


25

PREVIEW - YOUFIXTHIS.COM

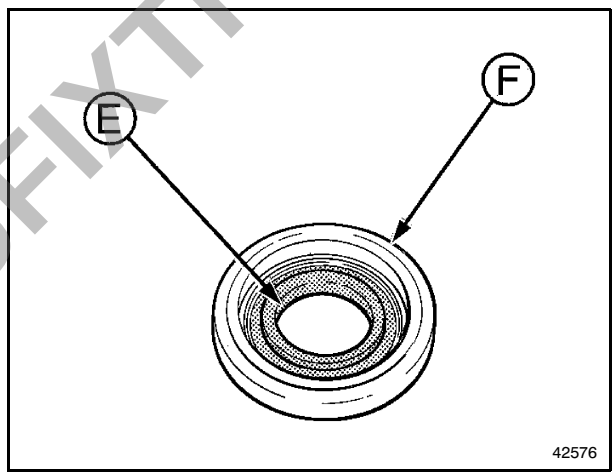
Download full manual at youfixthis.com

2. Remove the seal carrier D with seal and O-ring R as shown in Figure 9



9

3. Press seal E out of seal carrier F (Fig. 10).
Inspect the seal carrier, the new seal and the O-ring for any damage or nicks.
Press the new seal into the seal carrier. Make sure not to damage the seal.

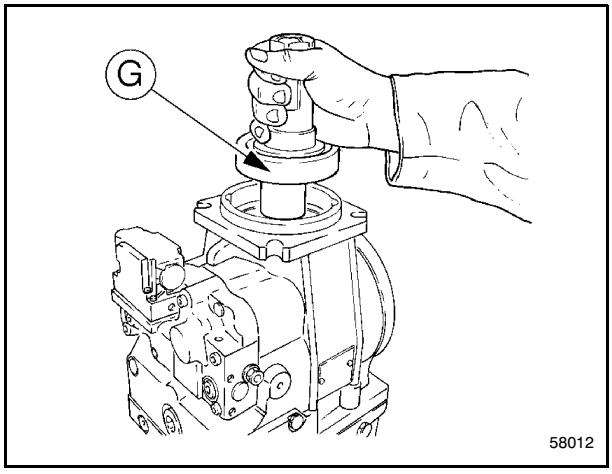


10

4. Turn the pump so that the mounting flange is up. Shaft G (with bearing) (Fig. 11) can now be taken out.

REMARK:
The shaft must be removed in this position only, otherwise the cylinder block may move out of place making shaft installation difficult.

Inspect the sealing area on the shaft for rust, wear or contamination.



11

PREVIEW - YOUFIXTHIS.COM

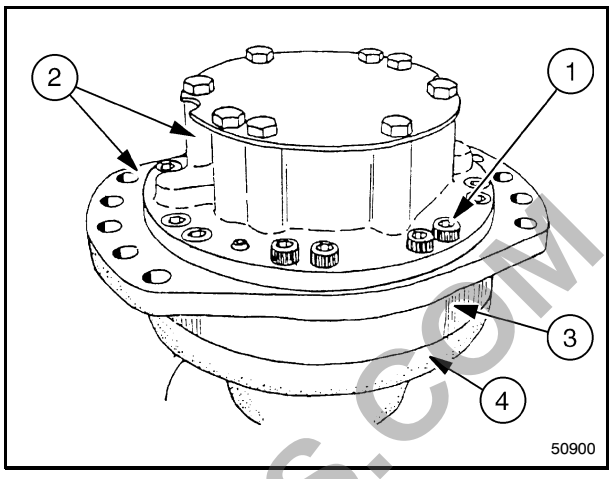
Download full manual at youfixthis.com

DISASSEMBLY AND ASSEMBLY OF CILINDER BLOCK AND PISTONS

DISASSEMBLY

1. Remove wheel motor from machine.

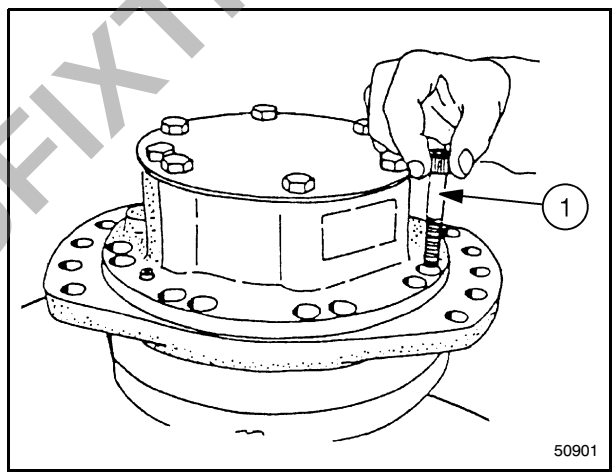
2. Refer to Figures 44, 108, and 109.
   Remove 14 (of 16 total) socket head bolts 1 securing distribution cover 2 to cam ring 3 and bearing support housing 4 using 10 mm hex key and/or hex driver. Leave two opposite bolts partially engaged. Turn motor horizontal and break open to drain oil.
   Set motor into the tank of a parts washer with wheel studs down. Remove remaining bolts.



108

3. Refer to Figures 110 up to 113.
   CAREFULLY lift distribution cover from cam ring.

   NOTE:
   If cover is lifted straight up, distributor 1 will tend to adhere to cylinder block 2 because of oil film between mating surfaces. To ensure that distributor remains seated in cover, lift cover on one side only to break adhesion between distributor and cylinder block.
   ALTERNATE METHOD: CAREFULLY insert thin piece of wood under location tab 3 of distributor and pry up to break adhesion.

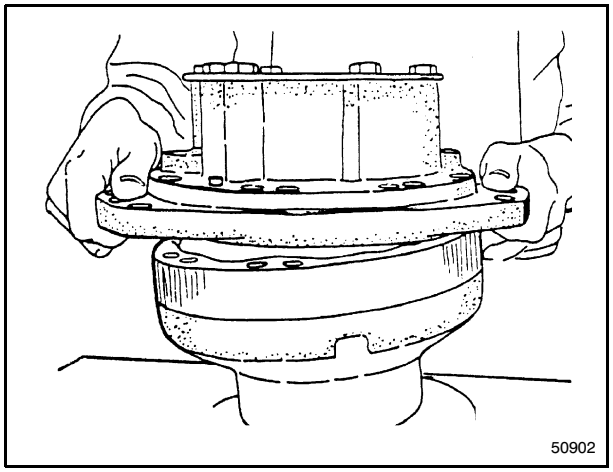


109

CAUTION:

Inserting wood too far may scratch mating surfaces of distributor and/or cylinder block.

Remove cam ring 4 and discard large O-ring seals on distribution cover and bearing support housing.

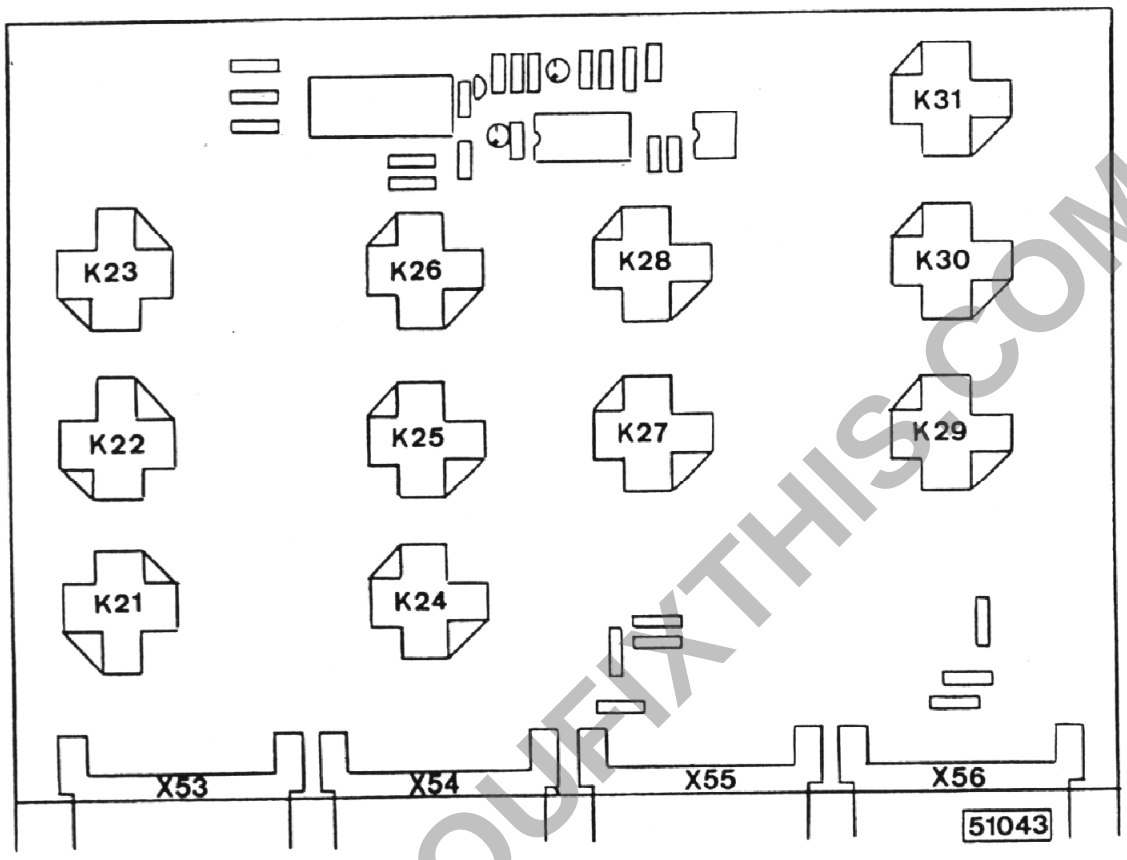


110

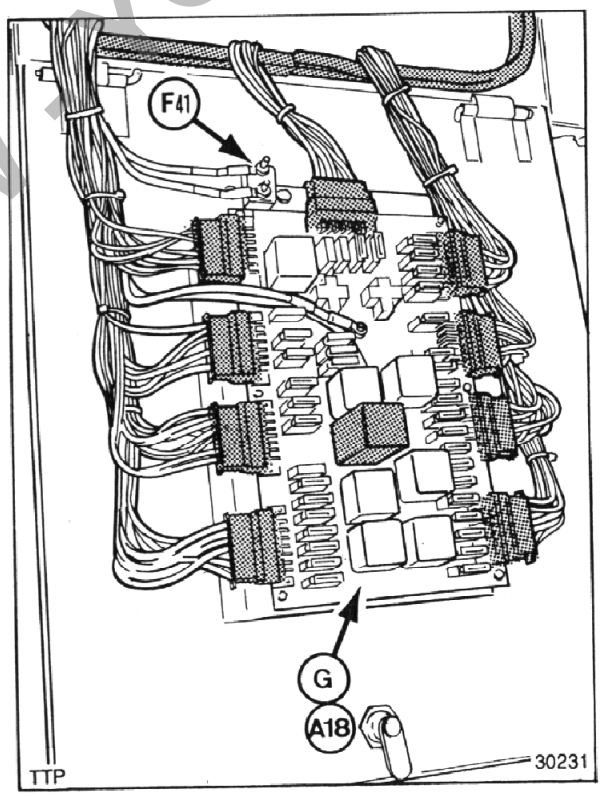
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Modul D



4

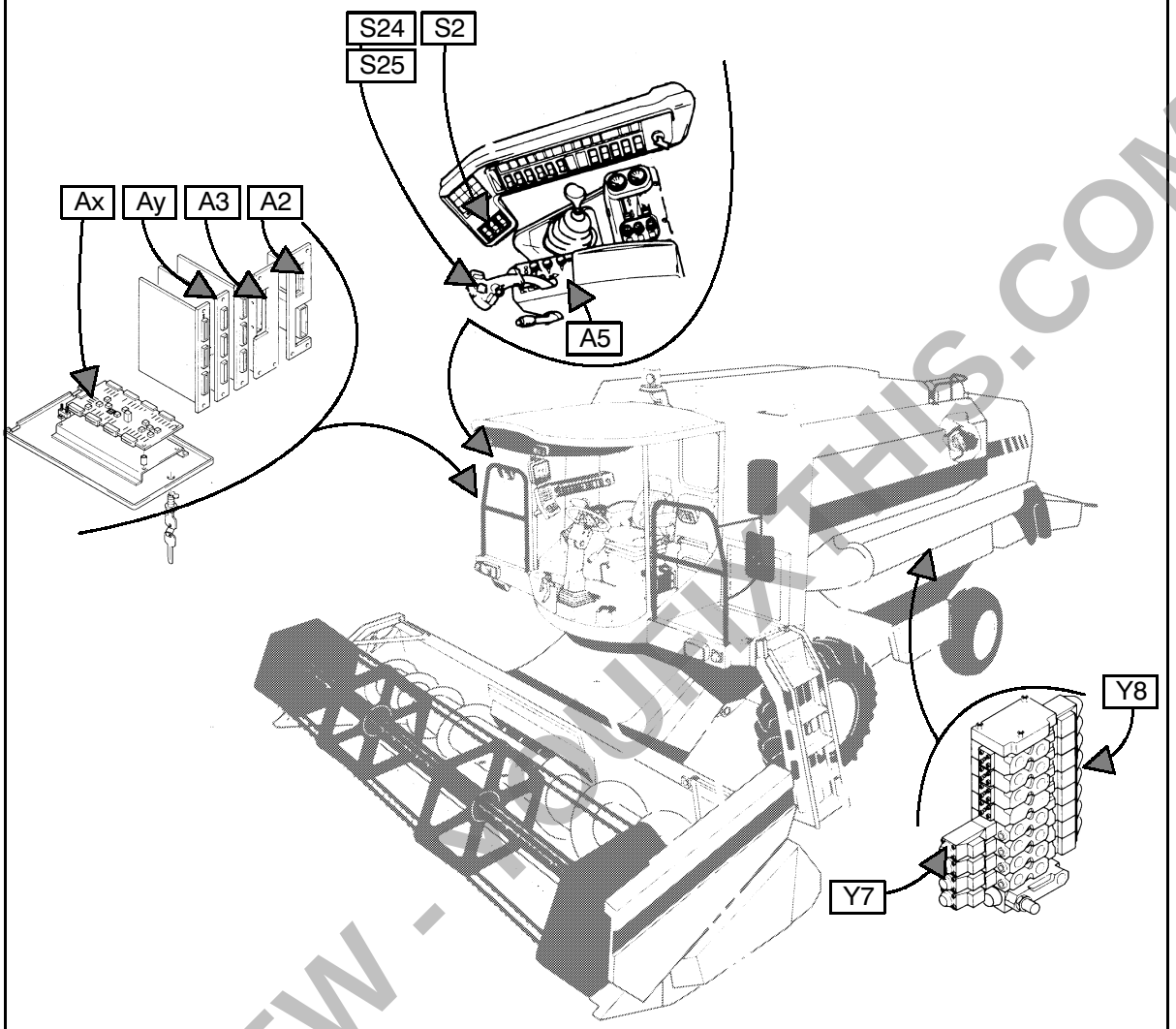


5

PREVIEW - YOUFIXTHIS.COM

16

Download full manual at youfixthis.com



Ax	Power printed circuit
Ay	Remote control printed circuit
A2	Lateral float interface
A3	header guiding module
A5	Header interface
S2	Threshing engagement switch
S24	Lateral float left down switch
S25	Lateral float right down switch
Y7	Lateral float left down control valve solenoid
Y8	Lateral float right down control valve solenoid

1

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 12 of 826 pages

The full manual includes:

- All 826 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Case IH CT5050, CT5060, CT5070, CT5080 Repair Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual