
TC29DA, TC33DA REPAIR MANUAL COMPLETE CONTENTS

SECTION 00 - GENERAL INFORMATION	2
SECTION 10 - ENGINE	3
SECTION 18 - CLUTCH	10
SECTION 21 - GEAR TRANSMISSION	11
SECTION 25 - FWD AXLE	14
SECTION 27 - DIFFERENTIAL, REAR AXLE	17
SECTION 29 - HYDROSTATIC TRANSMISSION	18
SECTION 31 - POWER TAKE-OFF SYSTEMS	22
SECTION 33 - BRAKES	24
SECTION 35 - HYDRAULIC SYSTEM	24
SECTION 41 - STEERING SYSTEMS	27
SECTION 44 - WHEELS AND TIRES	29
SECTION 55 - ELECTRICAL SYSTEM	30
SECTION 90 - PLATFORM	36

The following pages are the collation of the contents pages from each section and chapter of the TC29DA, TC33DA Repair manual. Complete Repair part # 87057407.

The sections used through out all New Holland product Repair manuals may not be used for each product. Each Repair manual will be made up of one or several books. Each book will be labeled as to which sections are in the overall Repair manual and which sections are in each book.

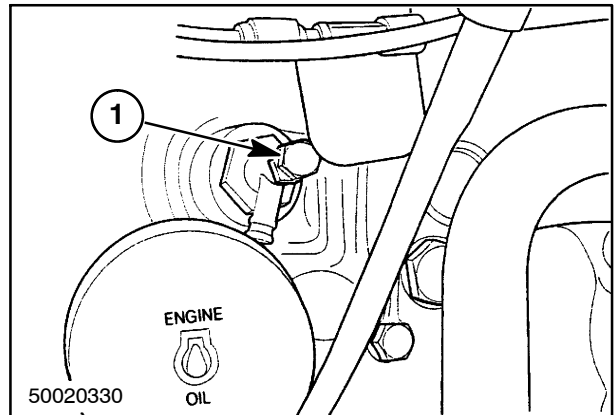
The sections listed above are the sections utilized for the TC29DA, TC33DA Tractors.

OVERHAUL

ENGINE

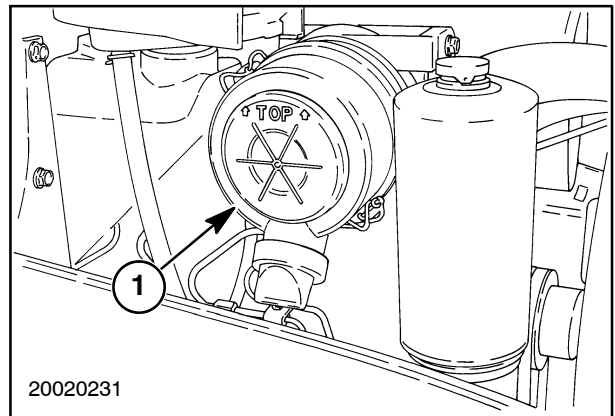
Preparation

1. Turn coolant tap bolt, 1, counterclockwise to drain fluid. Remove the radiator assembly. See "Radiator Removal", discussed later in this section.



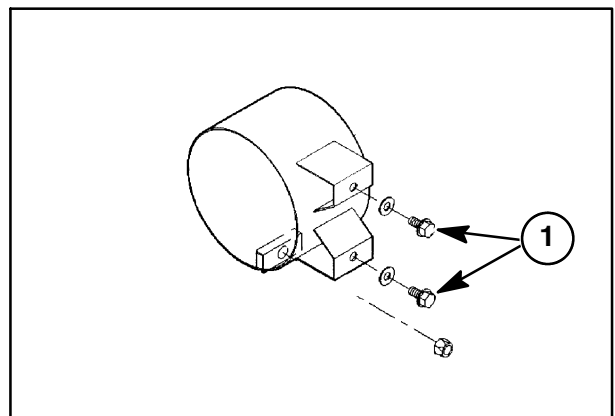
6

2. Remove the air cleaner assembly, 1, along with the air cleaner hoses.



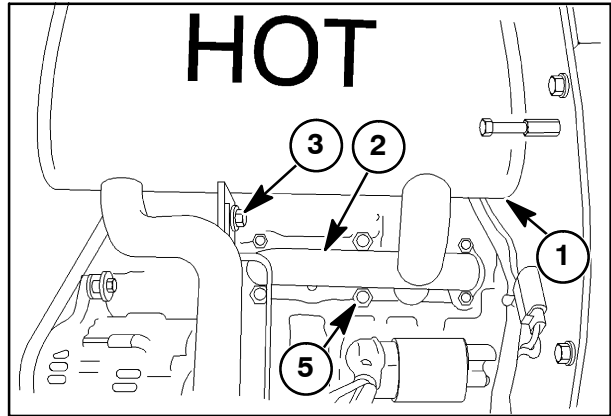
7

3. Remove bolts, 1, for final removal of air cleaner assembly.

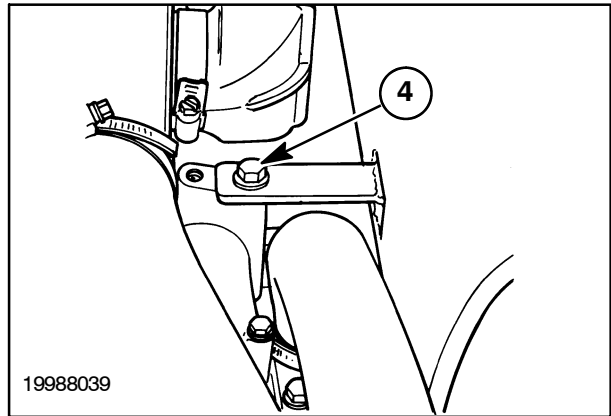


8

- Remove the exhaust muffler, 1, and manifold assembly, 2. Loosen bolt, 3, and bolt, 4, Figure 10, to remove exhaust muffler. Loosen six bolts, 5, to remove exhaust manifold.



9

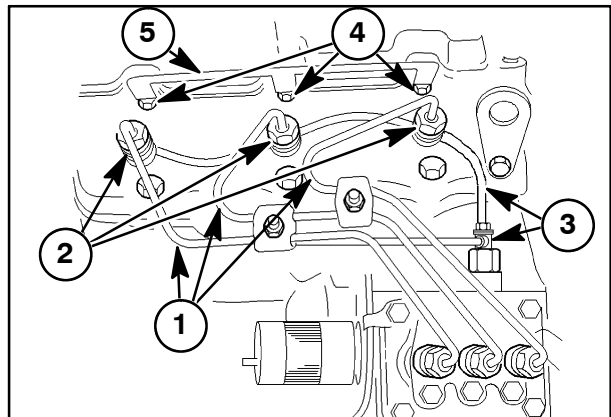


10

FUEL INJECTOR AND GLOW PLUG

Removal

- Clean all dirt and oil from the injectors and surrounding areas.
- Disconnect the fuel lines, 1, from the injectors and cap all openings.
- Remove the injector fuel leak-off line, 3.
- Remove the injector assemblies, 2.
- Remove the glow plug bus connector, 5, and remove the glow plugs, 4.

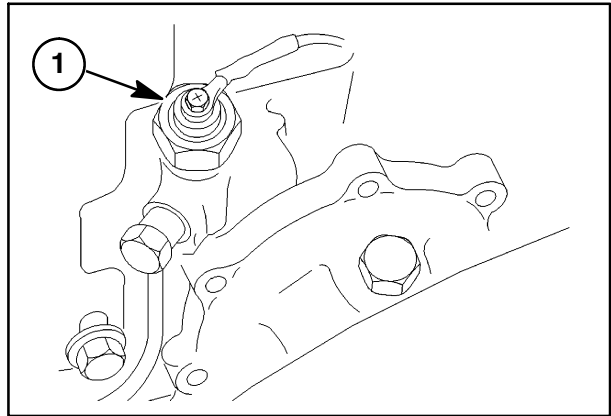


11

OIL PRESSURE SWITCH

Removal

Remove the oil pressure switch, 1.

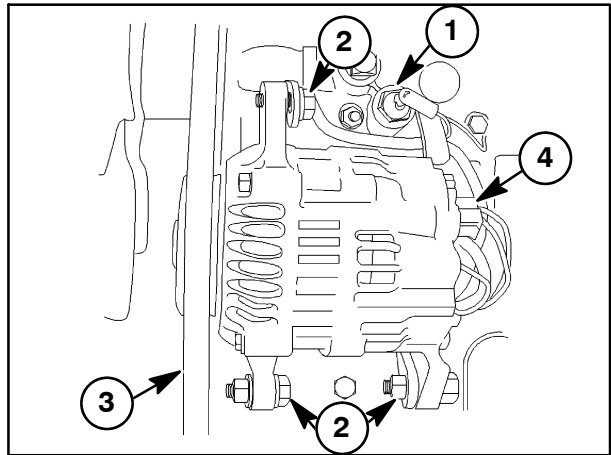


12

TEMPERATURE SENDING SWITCH AND ALTERNATOR

Removal

1. Remove the temperature sending switch, 1, from the front of the cylinder head.
2. Loosen the alternator mounting bolts, 2, and remove the V-belt, 3, from the drive pulley.
3. Disconnect the alternator wires from the back of alternator, 4.
4. Remove the alternator mounting bolts, 2, and remove the alternator.

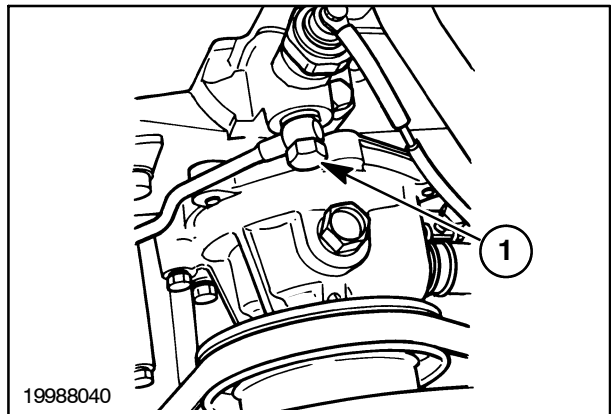


13

FAN, WATER PUMP AND EXTERNAL OIL TUBE

Removal

1. Remove the fan and water pump assembly. See "Fan Removal" and "Water Pump Removal" discussed later in this section.
2. Remove the external oil transfer tube banjo bolt, 1, from the front of the cylinder head.

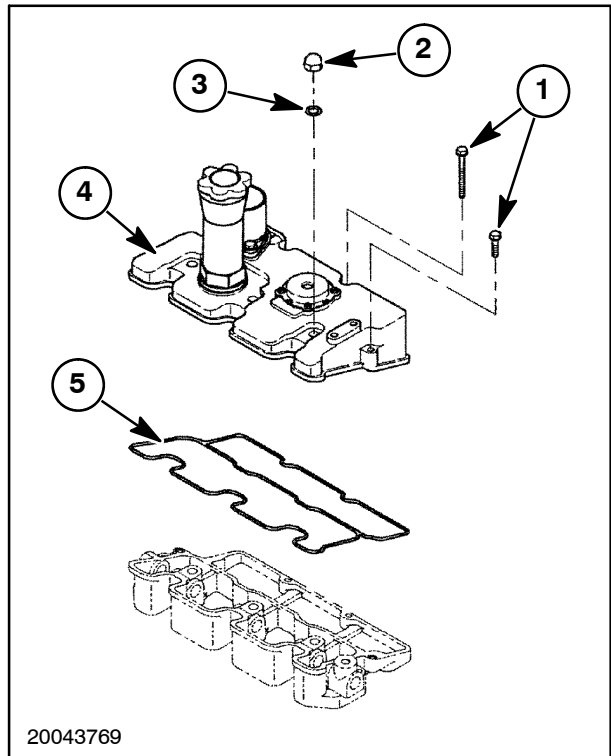


14

HEAD COVER

Removal

Remove the retaining bolts, 1, cap nuts, 2, and seal washers, 3. Remove the head cover, 4, with gasket, 5.



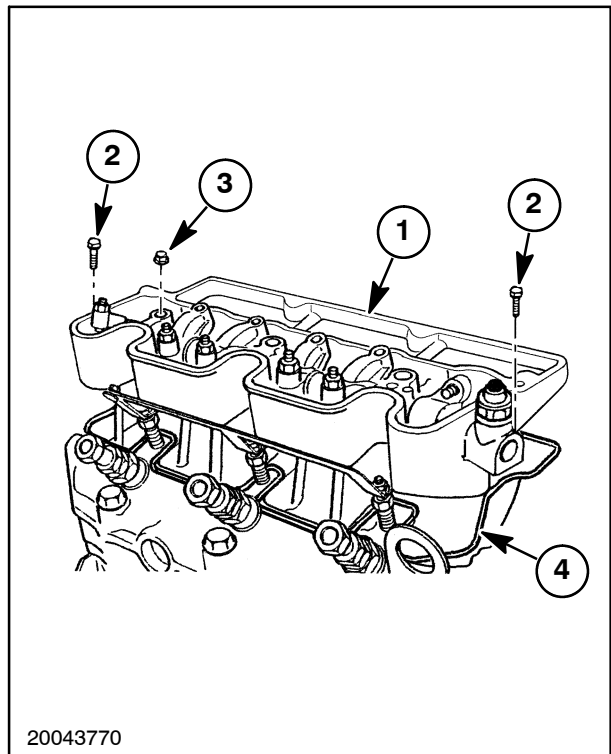
15

ROCKER ARM SHAFT AND SUPPORT BRACKET

Removal

Remove the bolts, 2, and nuts, 3. Remove the rocker arm shaft and support bracket as an assembly, 1, and gasket, 4.

NOTE: Alternately loosen the rocker support bolts a turn at a time to prevent distorting the rocker shaft.



16

Op. 10 101

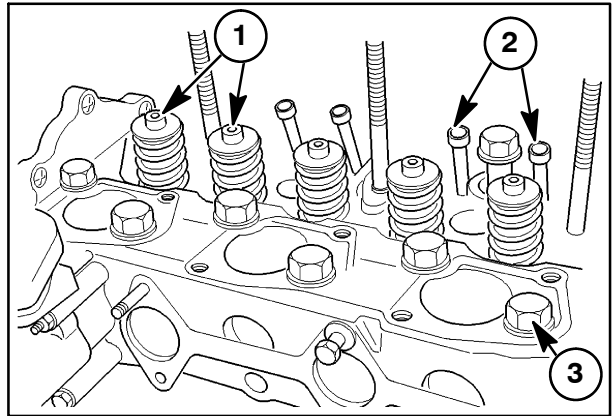
CYLINDER HEAD

Removal

1. Remove the valve stem caps, 1, and push rods, 2.

NOTE: Keep all valve components in separately marked containers for re-assembly in their original location.

2. To remove the cylinder head, remove the cylinder head bolts, 3, by alternately loosening a half turn at a time to prevent warping the head.

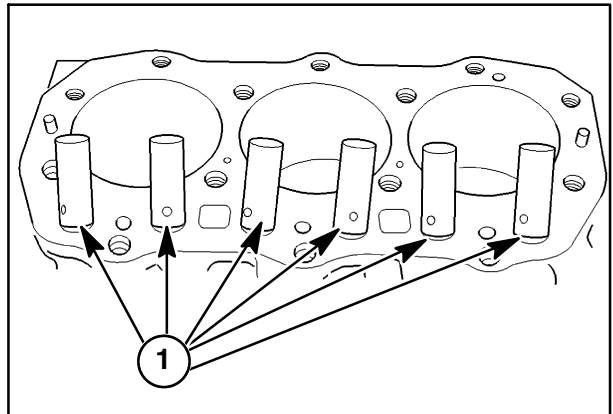


17

VALVE TAPPET

Removal

Remove the valve tappets, 1, from the machined bore in the cylinder block.

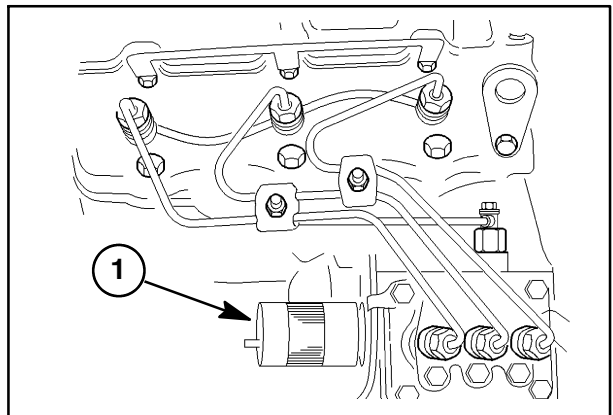


18

FUEL SHUTOFF SOLENOID

Removal

Remove the wire connector and unscrew the fuel shutoff solenoid, 1.

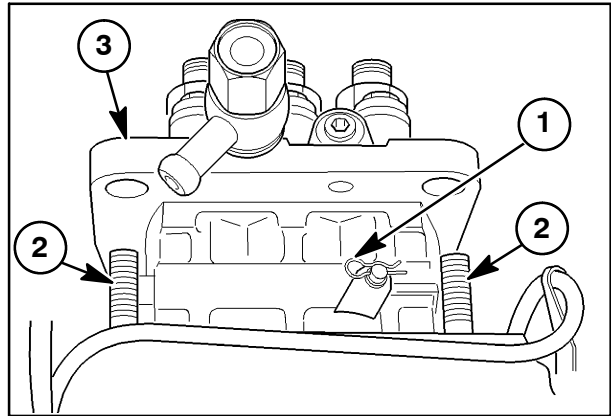


19

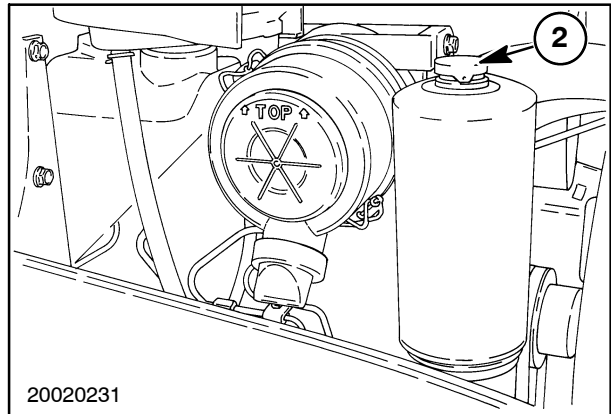
TIMING GEAR COVER

Removal

1. Drain the engine crankcase oil.
2. Remove the crankshaft pulley.
3. Remove fuel shut off solenoid from engine block.
4. Loosen the four injection pump mounting bolts, 2, and raise the injection pump, 3, enough to remove the spring pin, 1, and separate the governor link from the control rack. Remove the injection pump.
5. Remove the power steering pump reservoir tank dipstick-filler cap, 2.

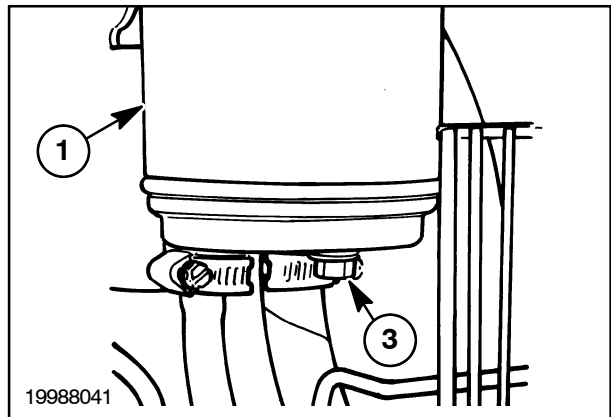


20



21

6. Remove the reservoir drain plug, 3, and drain the hydraulic fluid out of the reservoir tank, 1, into a suitable container.



22

**Thank you very much
for your reading.**

**Please click here to buy
After you pay.**

**Then, you can
download the complete
manual instantly.
No waiting.**