Dear JCB Customer

Even if you have operated this type of equipment before, it is very important that your new machines operations and functions are explained to you by a JCB Dealer Representative following delivery of your new machine.

Following the installation you will know how to gain maximum productivity and performance from your new product.

Please contact your local JCB dealer if the Installation Form has not yet been completed with you.

Your Local JCB Dealer is:

OPERATOR MANUAL

THIS MANUAL SHOULD ALWAYS STAY WITH THE MACHINE

WORKMAX 800D

ENGLISH - 9811-5150 - ISSUE 4 - DECEMBER 2012

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Safety Notices

Important Information

T1-042

The Operator Manual

⚠ WARNING

You and others can be killed or seriously injured if you operate or maintain the machine without first studying the Operator Manual. You must understand and follow the instructions in the Operator Manual. If you do not understand anything, ask your employer or JCB dealer to explain it.

INT-1-4-2

Do not operate the machine without an Operator Manual, or if there is anything on the machine you do not understand.

Treat the Operator Manual as part of the machine. Keep it clean and in good condition. Replace the Operator Manual immediately if it is lost, damaged or becomes unreadable.

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Operation

Introduction

T2-006_2

The aim of this part of the manual is to guide the operator step-by-step through the task of learning how to operate the machine efficiently and safely. Read the ***Operation*** section through from beginning to end.

Before you start the machine, you must know how the machine operates. Use your manual to identify each control lever, switch, gauge, button and pedal. Do not guess. If there is anything you do not understand, ask your JCB distributor.

The operator must always be aware of events happening in or around the machine. Safety must always be the most important factor when you operate the machine.

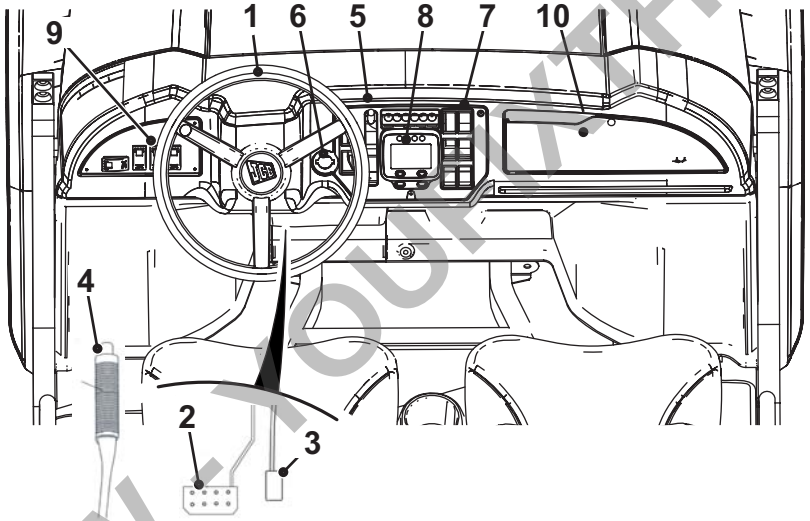
When you understand the operating controls, gauges and switches, practice using them. Drive the machine in an open space, clear of people. Get to know the 'feel' of the machine and its driving controls.

Finally, do not rush the job of learning, make sure you fully understand everything in the ***Operation*** section. Take your time and work efficiently and safely.

Remember

BE CAREFUL
BE ALERT
BE SAFE

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C100360-B1

Fig 14.

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Routine Maintenance

Service Requirements

Introduction

T3-095

Your machine has been designed and built to give maximum performance, economy and ease of use under a wide variety of operating conditions. Prior to delivery, your machine was inspected both at the Factory and by your Distributor to ensure that it reaches you in optimum condition. To maintain this condition and ensure trouble free operation it is important that the routine services, as specified in this Manual, are carried out by an approved JCB Distributor at the recommended intervals.

This section of the Manual gives full details of the service requirements necessary to maintain your JCB machine at peak efficiency.

A Service Manual for your machine is available from your JCB Distributor. The Service Manual contains information on how to repair, dismantle and assemble your machine correctly.

It can be seen from the Service Schedules on the following pages that many essential service checks should only be carried out by a JCB trained specialist. Only JCB Distributor Service Engineers have been trained by JCB to carry out such specialist tasks, and only JCB Distributor Service Engineers are equipped with the necessary special tools and test equipment to perform such tasks, thoroughly, safely, accurately and efficiently.

JCB regularly updates its Distributors advising them of any product developments, changes in specifications and

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Propshafts

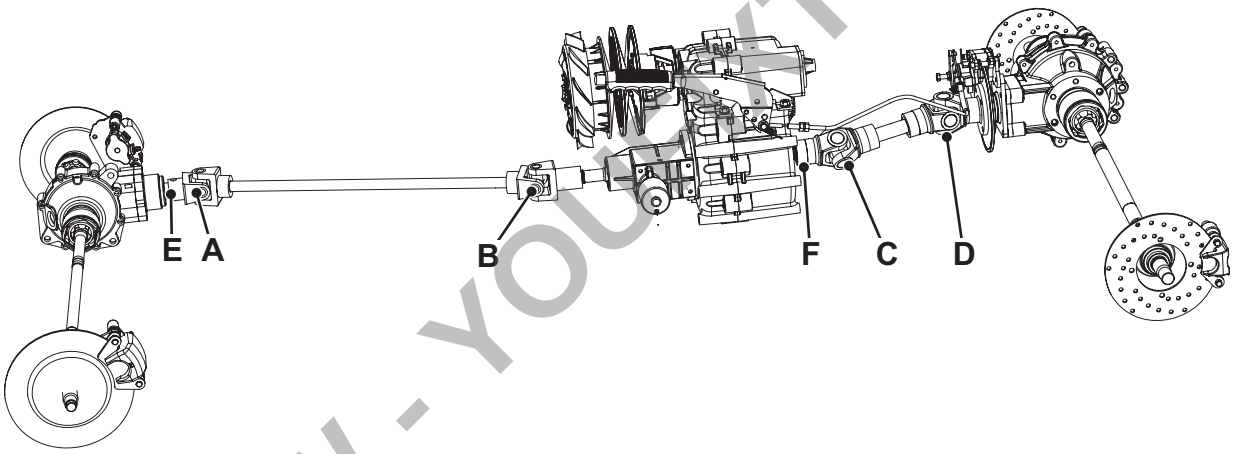


Fig 33.

Grease universal joints **A**, **B**, **C** and **D.** ⇒ *Fig 33. (152)*. Grease sliding joints **E** and **F.**

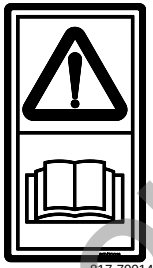
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Part Numbers and Description

ISO-01A

Part Number: 817/70014

Description: Warning. Read the operator manual before you operate the machine.



817-70014-3

ISO-06D

Part Number: 817/70005

Description: Hot fluid under pressure. Refer to ***Cooling System (Routine Maintenance Section)***.



817-70005-3

ISO-07G

Part Number: 332/W5005

Description: Falling hazard. Do not ride in the loadbay.



332-W5005-1

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Fluids, Lubricants and Capacities

Table 1.

Item	Capacity Litres (UK Gal)	Fluid/Lubricant	JCB Part Number	Container Size(1)
Fuel Tank	32 (7)	Diesel Oil ⇨ *Types of Fuel (135)*		
Engine Oil	2.5 (0.55)	JCB Engine Oil EP 15W40 (above -10°C)	4001/1805	20 litres
Front Differential Oil (4WD only)	0.55 (0.12)	JCB Gear Oil EP 80W90	4004/5105	20 litres
Rear Differential Oil	0.29 (0.06)	JCB Gear Oil EP 80W90	4004/5105	20 litres
Engine (Coolant)	2.8 (0.6)	JCB Antifreeze HP/Coolant + Water ⇨ *Coolant Mixtures (138)*	4006/1120	20 litres
Gearbox	1.0 (0.22)	JCB Gear Oil EP 80W90	4004/5105	20 litres
Brake Fluid		JCB Brake Fluid, Dot 4	4002/0404	1 litre
Grease		JCB HP Grease or	4003/2017	400g
		JCB Special MPL-EP Grease	4003/1501	400g

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Pre-start Cold Checks, Service Points and Fluid Levels

	Operation	10	50	100(1)	125	250	500	1000	2000
ENGINE									
Engine Mount - Security	- Check			☐	☐	☐	☐	☐	☐
Engine Oil and Filter(2)	- Change			☐	☐	☐	☐	☐	☐
Engine Oil	- Check	☐	☐	☐	☐	☐	☐	☐	☐
Engine Valve Rocker Arms - Clearance(3)	- Check/ Adjust							☐	☐
Injector Settings(3)	- Check/ Clean							☐	☐
Coolant - Level and Antifreeze Strength	- Check			☐	☐	☐	☐	☐	☐
Coolant(4)	- Change							☐	☐
Air Cleaner and Pre-cleaner	- Clean	☐	☐	☐	☐	☐	☐	☐	☐
Air Cleaner Outer Element(5)	- Check and Change if necessary				☐	☐	☐	☐	☐

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14 Check for leaks.

Bleeding the Fuel System

⚠ WARNING

When the engine is turning, there are parts rotating in the engine compartment.

Before starting this job make sure that you have no loose clothing (cuffs, ties etc) which could get caught in rotating parts.

When the engine is turning, keep clear of rotating parts

2-3-3-10

⚠ CAUTION

Running the engine with air in the fuel system could damage the fuel injection pump. Remove air from the system as detailed below.

0192

Note: *You must bleed the fuel system if you have changed the fuel filter or if you have refilled the fuel tank after it has been empty. Never use the starter motor to turn the engine and bleed the fuel system. This could overheat the starter motor and damage it.*

1 Make the machine safe. ⇨ ***Make the Machine Safe (140)***.

2 Pump the hand priming lever **G** so that the fuel filter bowl is filled. ⇨ ***Fig 61. (199)***.

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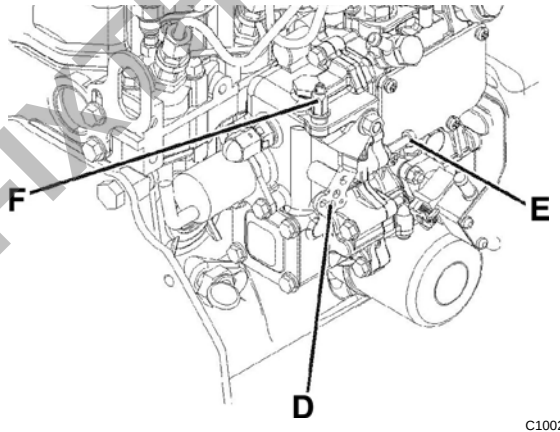
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2 With the accelerator pedal in the low idle position check that the governor lever **D** makes firm contact with stop **E**.

3 With the accelerator pedal in the maximum speed check that the governor lever **D** makes firm contact with stop **F**.

4 If required, adjust at the cable under the passenger's seat. ⇨ ***Accelerator Free Travel (200)***

Note: *Never adjust stops **E** or **F** as this could affect the safety and performance of the machine. Contact your JCB dealer if adjustment of the cable does not provide correct operation.*



C100230

Fig 63.

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