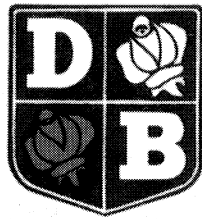


DAVID BROWN

850, 880 and 990 TRACTORS IMPLEMATIC AND IMPLEMATIC LIVEDRIVE

INSTRUCTION BOOK



DAVID BROWN TRACTORS LIMITED

DBT 496

David Brown Products

Ask your dealer for details of any of the following:

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Hurricane In-Line Harvester

Manure Spreader

Rotary Tiller

Mouldboard Ploughs

Match Plough

Disc Ploughs

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880 C	-	880 D
850 C	-	880 D

DIESEL ENGINED TRACTORS

INSTRUCTION BOOK

If required, further copies of this book may be obtained (only from your dealer) at nominal cost



By Appointment
to Her Majesty Queen Elizabeth II
Manufacturers of Agricultural Machinery
David Brown Industries Limited

DAVID BROWN TRACTORS LIMITED
MELTHAM HUDDERSFIELD YORKSHIRE

Publication No. DBT 496

Introduction

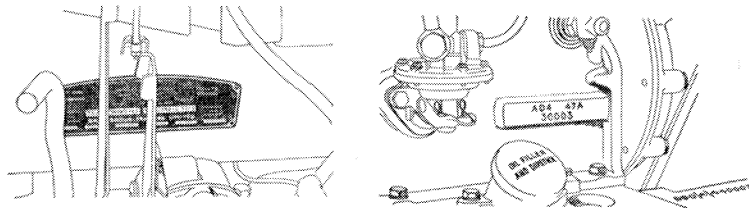
The David Brown tractor, in addition to having the most comprehensive specification of any tractor in volume production in the world, is constructed to close manufacturing tolerances from the finest materials. The potential life is long and efficiency high, but to retain these requires the co-operation of the user whose responsibility it now becomes to carry out the regular greasing and maintenance outlined in this book. A little time spent making oneself familiar with the servicing procedure, and conscientious attention to carrying it out, will be amply repaid in the long run.

Section 1 deals with the routine maintenance which **must** be carried out regularly (the modern equivalent of feeding and grooming the horse—and just as important).

Section 2 contains, in alphabetical order, a detailed account of the general servicing.

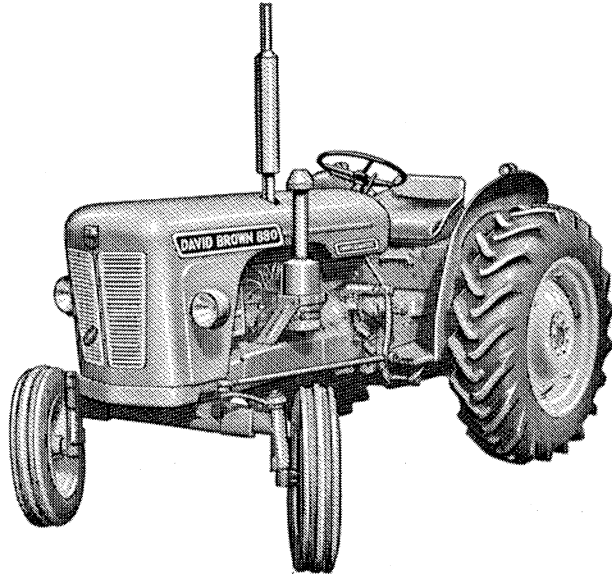
Section 3 gives technical data, tables of speeds and capacities, etc., followed by a list of accessories and allied equipment.

Your David Brown dealer will be pleased to give you any advice and assistance you may require. In order to identify the exact model please quote the **FULL PREFIX** and **SERIAL NUMBER** of the tractor and also the **ENGINE TYPE** and **NUMBER**.



Name Plate and Serial Numbers

*First Published October 1961
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Section I

Regular Maintenance

To avoid expensive overhauls, excessive wear, and premature failure; **regular maintenance is essential.** For this reason the David Brown maintenance procedure has been made very simple. It consists of a daily inspection and additional attention 16 times each 1000 hours (approximately 1 year). The work is divided into five Service Tasks; A, B, C, D and E. It is only necessary to keep an eye on the hour meter, and when the hours shown in the facing table are reached, carry out the service task indicated at the first suitable opportunity. The full scheme is completed in 1000 hours and the routine starts again from the beginning.

Tables of the service tasks will be found at the end of this book. Spaces have been left against the appropriate items so that the date when the task is completed can be entered by the operator. This will give a record of the tractor servicing and will assist in insuring that it is carried out regularly and at the right time.

TABLE OF SERVICE TASKS

Hour Meter Reading	Task A	Task B	Task C	Task D	Task E
60	X	†			† (1 to 4)
125	X	X			
185	X				
250	X	X	X		
315	X				
375	X	X			
440	X				
500	X	X	X	X	
560	X				
625	X	X			
685	X				
750	X	X	X		
815	X				
875	X	X			
940	X				
1 000	X	X	X	X	X

† New and Reconditioned Tractor only.

Following the recommended times will ensure adequate servicing under normal temperate climate and working conditions. **In exceptionally wet conditions more frequent greasing is recommended.** In very dusty conditions such as stationary work or in hot dry climates, extra oil and filter changes and attention to the air cleaner should be made.

DAILY INSPECTION

1. **Inspection**—Check for oil, water and fuel leaks.
2. **Engine Oil**—Top up the engine sump if below the safe limit.
3. **Fuel**—Top up the fuel tank to within $1\frac{1}{2}$ in. (4 cm) of the top. This ensures a good supply and reduces condensation in the tank. Visually check the fuel water trap for excessive dirt or water. Clean if necessary.
4. **Air Cleaner**—In dusty conditions clean and refill the air cleaner oil bath to the bead with new engine oil. Remove and clean the detachable gauze element. Refit the sealing rings.



5. **Greasing**—In dusty or wet and muddy conditions apply lubricant to the following points (see Fig. 1.). Clean the fittings before applying the gun.

SAE 140 OIL to the—

King Pins.

Front Axle Trunnions (2 points).

GREASE to the—

Front Hubs.

Steering Box Cross-shaft (3 points).

Rear Hubs.

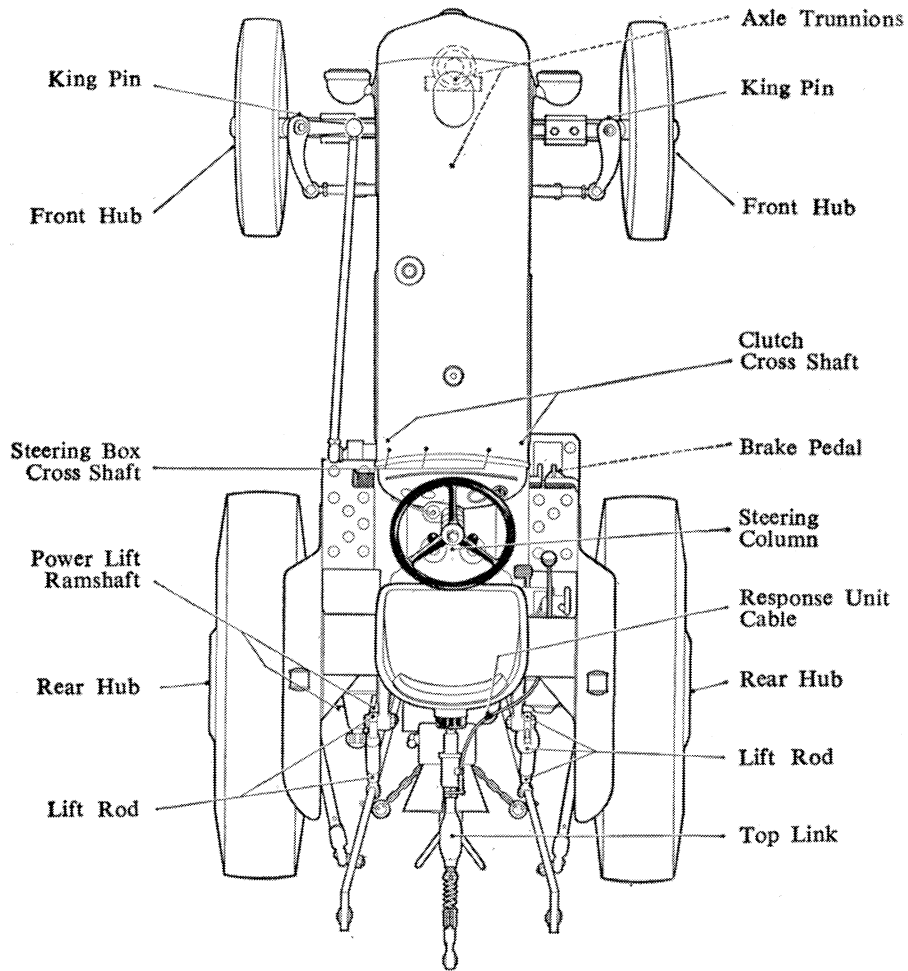


FIG. 1. Greasing Chart

In addition to the above points, the water pump should be greased with High Melting Point Grease every 500 hours only

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