



DAVID BROWN

SUPER LOADERS

**operating
and fitting
instructions**

DAVID BROWN

Super Loaders

LS7 for 770 & 780 Tractors

LS8 for 880 Tractor

LS9 for 990 Tractor

LS12 for 1200 Tractor

OPERATING AND FITTING INSTRUCTIONS

DAVID BROWN TRACTORS LIMITED
MELTHAM · HUDDERSFIELD · ENGLAND

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INTRODUCTION

The David Brown Super Loader is available in versions to suit each model of the Selectamatic range of tractors and has been designed for direct attachment to the tractor.

Alternative versions are available for operation from the tractor 3-way valve using a Gresen valve unit mounted on the right-hand loader support assembly, but where a live, double-acting control valve is already fitted to the tractor, the loader may be operated directly from this without the necessity for fitting an additional control valve.

A single double-acting ram controls the angle of the bucket or other unit. A list of available alternatives is given at the back of this booklet.

If side-mounted headlamps are fitted, these must be re-located and brackets are available for mounting them on the radiator guard support member.

The loader support frame is attached to the main frame of the tractor together with the hydraulic lift rams. These parts may be left in position without restriction to the other uses of the tractor. The boom is then attached by means of four Quick Release pins and the two pipes to the dump ram.

All main pivot points are fitted with case hardened zinc coated Quick Release pins and special tension bushes which give long life with a minimum of lubrication.

SAFETY PRECAUTIONS

The front track should **not** be set to the narrowest settings to avoid damage to power-assisted steering and to maintain stability of the tractor.

Place a substantial support under the boom, or rest the bucket on a wall if it is necessary to work on the engine with the boom raised.

Lower the bucket to the ground before leaving the tractor unattended.

Do not travel quickly over uneven ground with a loaded bucket in the raised position. Keep the bucket as low as possible while on the move. Use the steering brakes cautiously, particularly when on sloping ground.

Do not allow passengers to stand or sit in the bucket.

WARNING

Stops are fitted to prevent excessive movement of the buckets which might cause damage to the dump ram. However, they are **not** intended to enable the bucket to be used in the tilted position for levelling or bulldozing. If used in this way, resulting damage to the loader will not be covered by warranty.

OPERATION

WHEN CONNECTED TO THE TRACTOR'S LIVE, DOUBLE-ACTING CONTROL VALVE

Reference should be made to the Tractor Instruction Book for operation of the hydraulic system. The selector dial should be set to EXTERNAL as directed under "Operation of Service 4".

Set the 3-way valve to output 1. Lift, hold, and lower of the boom is then controlled by the Selectamatic Hydraulic hand lever. Moving the hand lever fully rearward to the "lift" position will cause the loader boom to rise. When the loader has reached the desired height, allow the hand lever to return to the "hold" position. To lower the boom, push the hand lever forward to the pre-set guide and adjust the rate of lowering as desired, by the lowering control.

The angle of the bucket may be adjusted to any desired position for digging, discharging, and crowd action, by means of the double-acting control lever to which it is attached (usually the lower one where two are fitted). Move the lever forward for forward tilt or discharge and rearward for upward tilt or crowd.

WHEN CONNECTED TO GRESEN CONTROL VALVE UNIT

Set the selector dial to EXTERNAL as directed under "Operation of Service 4" in the tractor Instruction Book. Pull the hydraulic hand lever fully rearward and secure in this position by using the Catch Unit (U730).

Set the 3-way valve to No. 1. The bucket is then controlled by the left-hand lever and the boom by the right-hand lever on the Gresen control unit as indicated on the instruction plate.

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