

**850,880 and 990
Tractors**
Operators Manual

9-5712

Reprinted



CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

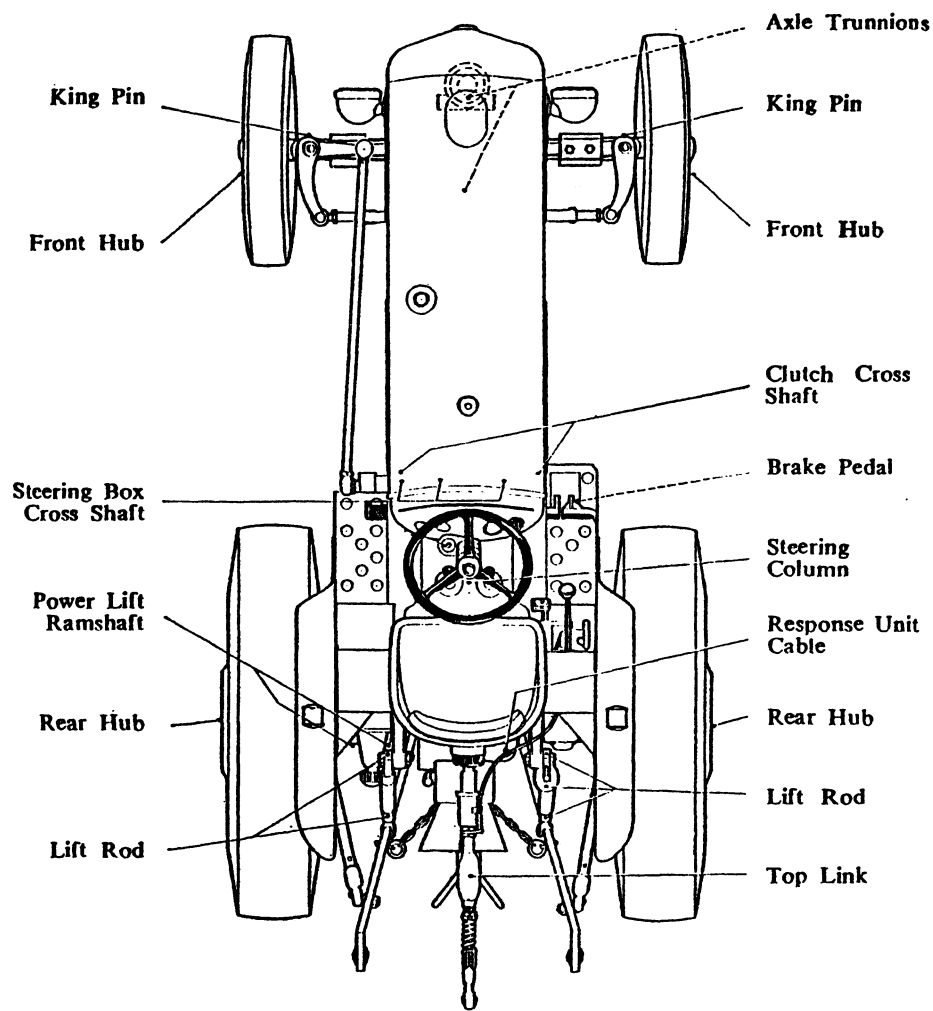


FIG. 1. Greasing Chart

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

BRAKES

The brake gear is not compensated and each side requires individual adjustment. Jack up both rear wheels and with the pedals interlocked press them approximately $1\frac{1}{2}$ in. (4 cm). Pull up the hand brake just sufficient to 'hold' the brakes in this position. At the front end of the brake rods, just under each foot plate, release the locknuts A, Fig. 7 and screw each adjusting screw one way or the other until both wheels are equally stiff to turn by hand. Retighten the locknuts and release the hand brake. Ensure that the wheels are free to turn and the brakes not binding. A greaser is provided as shown at D, Fig. 7.

When the limit of adjustment has been reached it is an indication that the brakes require relining.

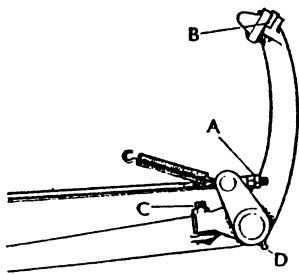


FIG. 7. Brake Adjustment
A. Lock Nut B. Locking Bar
C. Locking Bar Alignment Adjuster

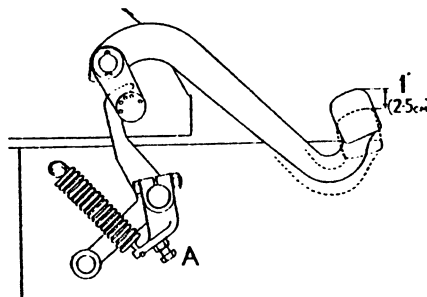


FIG. 8. Clutch Adjustment
A. Free Play Adjusting Nut

CLUTCH

Check the free-play regularly. This must not be allowed to fall below $\frac{1}{2}$ in. (12 mm). Adjust if necessary as follows referring to Fig. 8.

- (a) When an overload release is fitted, slacken back the lock nut on the rod to the hand lever to give $\frac{1}{4}$ in. (6 mm) or so clearance.
- (b) Adjust bolt A, to give $\frac{3}{4}$ in. to 1 in. (2.0 to 2.5 cm) free movement of the clutch pedal.
- (c) Reset the adjustment on the rod to the hand clutch to give $\frac{1}{8}$ in. (1.5 mm) clearance.

If it is found with the 2-stage clutch (Livedrive) that the PTO/Belt Pulley cannot be freed completely with the pedal fully depressed, new transmission clutch facings will be required. If not excessively worn a new period of life may be obtained by adjustment to the three adjustable pegs in the clutch. Adjustment to these should only be carried out by a competent service engineer and your David Brown dealer should be consulted.

Fit the new element and ensure that the rubber sealing ring in the cylinder block is satisfactory before refitting the unit. It is recommended that the securing bolt be tightened to 10 lb ft torque (1.4 kg m). Turn the engine to refill with oil and top up the sump if necessary. Restart the engine and check the cover for leakage.

OIL PUMP GAUZE

Refer to Fig. 22. The strainer surrounding the oil pump is readily accessible after removing the sump cover. Drain the oil from the engine from plug A, and remove the sump cover. Remove the setscrew from the centre of the oil strainer base. The strainer will then fall free from the pump. Clean the strainer by washing in paraffin. A small brush may be used to disturb any sludge or dirt but never use a cloth. Refit the gauze, sump cover, and plug, making sure that the gasket is serviceable, refill with the correct oil.

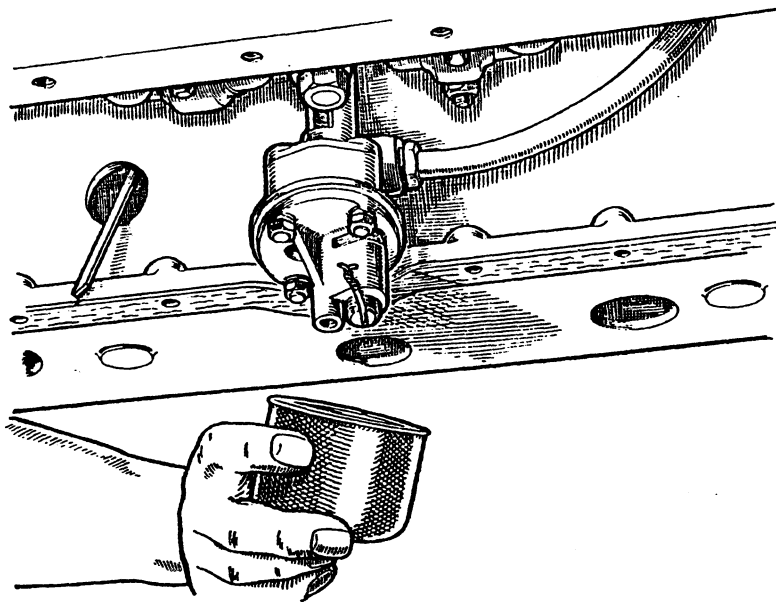


FIG. 22. Removing the Oil Pump Gauze

Lubrication—Gear type oil pump incorporating a main relief valve set to commence opening at 40 lb/in² (2.8 kg/cm²). Filtration is by means of a paper element full-flow filter with a low pressure valve to by-pass oil if the element is allowed to become blocked. The overhead valve gear is supplied by intermittent restricted feed from the rear camshaft bearing. Firing order—1, 2, 4, 3.

Compression Ratio—17 : 1.

Valve Timing—

Inlet opens 8° before top centre.
 Inlet closes 38° after bottom centre.
 Exhaust opens 36° before bottom centre.
 Exhaust closes 10° after top centre.

CHASSIS

CAPACITIES (Approximate initial fill)

| | Models | |
|-------------------------------|-----------------------------|------------------------------|
| | 850-880 | 990 |
| Air Cleaner oil bath | 1½ pints (0.85 litres) | 1½ pints (0.85 litres) |
| Cooling system | 3 gallons (13.6 litres) | 3 gallons (13.6 litres) |
| Engine lubricating oil | 13 pints (7.4 litres) | 13 pints (7.4 litres) |
| Transmission | 4½ gallons (20.5 litres) | 4½ gallons (20.5 litres) |
| Final drive reductions (each) | 2 pints (1.1 litres) | 4 pints (2.3 litres) |
| Steering Box | 2 pints (1.1 litres) | 2 pints (1.1 litres) |
| Belt Pulley Unit | 1 pint (0.55 litres) | 1 pint (0.55 litres) |
| Fuel Tank | 8½ gallons (40 litres) | 11½ gallons (52.2 litres) |

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL