
CLARK CARLOADER SERVICE MANUAL

SECOND EDITION



"Dammit! If I only had saved
that **CLARK SERVICE MANUAL**."

CLARK TRUCTRACTOR

Div. of Clark Equipment Co.

Battle Creek,

Michigan, U. S. A.

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Foreword

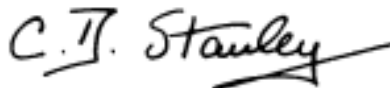
A great deal of time and care has been devoted to the proper designing, manufacturing, and preparation of these machines for delivery into your hands.

For these reasons may we take the liberty of suggesting that a mechanism such as this will always respond best to considerate treatment and care.

There has long been a need, in the industrial truck field, for a service manual which is simple in explanation and yet complete enough to leave no doubt in the mind of the mechanic as to how a repair should be made.

This is a sincere effort on the part of Clark Tructractor to, not only lessen the time a machine is out of operation for repairs, but to assist the mechanic by showing him the easiest method of doing the job.

Its chief purpose is to acquaint you with the means of taking the best care of your Clark machine, so that you may derive from it the full measure of operating efficiency and long economical life built into it at the factory. Will you cooperate to the extent of reading this manual and keeping it handy for ready reference?



SERVICE MANAGER

CLARK TRUCTRACTOR

Div. Clark Equipment Co.

BATTLE CREEK, MICHIGAN

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Instructions for Placing Your Clark Machine in Service

Before attempting to start the new machine, make sure first that the engine has sufficient oil. The oil gauge on the right-hand side of the engine should indicate full. If it does not, pour in oil through filler pipe also located on right-hand side of engine at hydraulic lift pump, until the correct level is reached on the gauge. Use good quality SAE 20 engine oil for the first 100 hours of operation. Then use only SAE 30.

We would suggest that the oil be changed every 50 to 60 operating hours. By so doing the life of the engine will be preserved.

Be sure that drain plug in radiator is in place, also that the drain plug on right-hand side of engine block is closed. Then fill radiator with clean water. The water is drained from radiator before the machine leaves the factory, and this must not be overlooked. **NEVER RUN AN ENGINE WITHOUT WATER IN THE COOLING SYSTEM.**

The ground wire on the battery has been disconnected, and gas drained so the engine cannot be started while machine is in transit. Therefore it will be necessary to replace ground wire and fill gas tank.

In starting a new engine, it is a good practice to turn engine over a few times before turning on the ignition key, or using choke. This starts the oil circulating and puts an oil film over the cylinder walls and improves the compression of the engine. An engine which has stood a considerable time, as in shipping, will have most of the oil drained off the cylinder walls with the result that the compression will be poor and starting hard until oil film is again restored.

It is necessary to use the choke for starting a cold engine. Pull choke out until engine has

started, then push it in about $\frac{3}{4}$ of the way until engine has had a chance to warm up, at which time it should be pushed down as far as possible.

This machine operates like an automobile, with clutch and brake pedals, gear shift and automotive steering and foot accelerator. The driver will quickly become accustomed to the steering wheel located on the back of the machine.

Lever for lifting, lowering and tilting are located conveniently near driver's right hand. Pressure relief valve prevents overloading of machine and by passes at lifting and tilting limits.

Lever must be held in position to actuate valves as they return to neutral position automatically and hold fingers or tilt at desired position until again manually operated.

To stop fingers at any point during upward, downward, forward or backward motion it is only necessary to allow control levers to return to neutral position.

WARNING

The warranty on the Clark machine will be voided by improper handling or abuse of the machine. DO NOT EXCEED THE MAXIMUM LOADING LIMIT as covered by the warranty plate on the machine. DO NOT DISCONNECT THE SPEED GOVERNOR, as it is set at the factory to give the machine a maximum safe speed in high gear. TO DISCONNECT THE GOVERNOR will void the guarantee on the Clark machine.

Have You Checked Oil Filter and Air Cleaner

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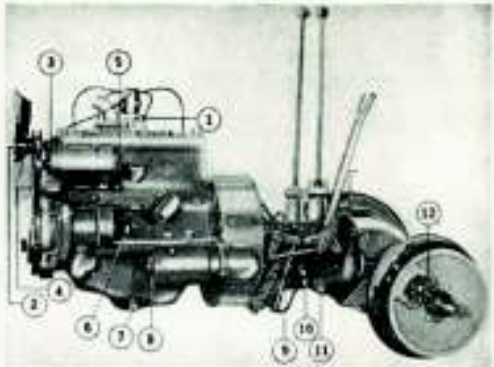
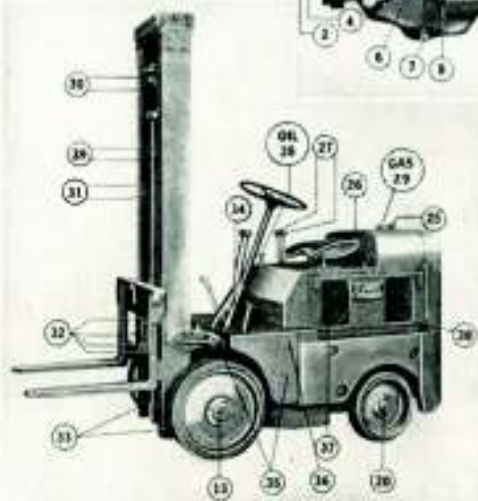
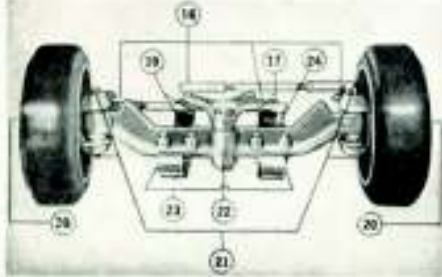
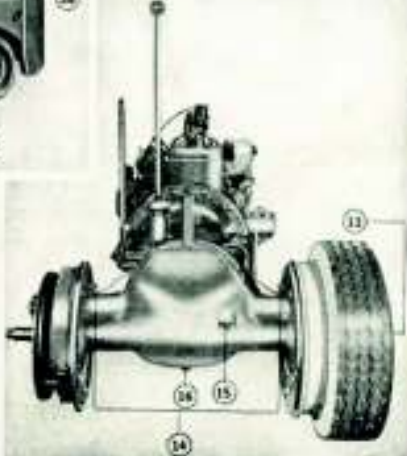
CLARK CARLOADER

LUBRICATION CHART

CLARK TRUCTRACTOR
Div. Clark Equipment Co.
BATTLE CREEK, MICH., U. S. A.

Lubrication Routine

1. Every Day: Nos. 6, 25 and 29.
2. Every Monday: Nos. 1, 2, 4, 7, 17, 18, 19, 21, 22, 23, 24, 26, 27, 28, 33, 35, 36 and 38.
3. Every Second Monday: Nos. 16 and 31.
4. First Day of Each Month: Nos. 3, 5, 8, 9, 10, 11, 14, 32, 37, 39 and 40. Check No. 15.
5. Every November 1 and May 1: Nos. 12, 13, 15, 16, 20 and 24.

Serial Number and Code Name Must Appear on Parts Orders

See Opposite Page for Lubrication Routine

Have You Checked Oil Filter and Air Cleaner