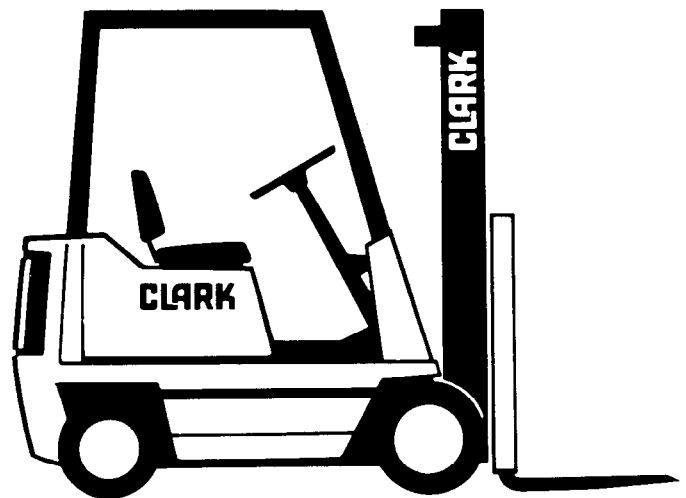

Planned Maintenance & Adjustment Procedures



PMA 273 10th Rev.
C500 355

CLARK

333 West Vine Street
Lexington, KY
40507-1640

OWNER SAFE MAINTENANCE PRACTICES

Powered industrial trucks may become hazardous if adequate maintenance is not done. Therefore, maintenance facilities, personnel and procedures must be provided.

Maintenance and inspection of all powered industrial trucks should be done in agreement with the recommendation in this manual and the following practices.

1. A scheduled preventive maintenance, lubrication, and inspection system must be followed.
 2. Only qualified and authorized personnel should be permitted to maintain, repair, adjust, and inspect industrial trucks.
 3. Before Leaving The Truck:
 - A. Stop Truck.
 - B. Fully lower the load engaging means.
 - C. Put directional controls in neutral.
 - D. Apply the parking brake.
 - E. Stop the engine or turn off power.
 - F. Lock the control or ignition circuit.
 - G. Put blocks at the wheels if truck is on a ramp, or being worked on.
 4. Before Working On Truck:
 - A. Raise wheels free of floor or disconnect power source.
 - B. Use blocks or other positive truck positioning devices.
 - C. Put blocks under the load engaging means, innermast(s), or chassis before working under them.
- Before working on engine fuel system of gasoline powered trucks with gravity feed fuel systems, make sure fuel shutoff valve is closed.
- Before working on engine fuel system of LP gas powered trucks, close LP gas cylinder valve and run engine until there is no more fuel in the system and engine stops running.
- Operation to check performance of the truck or attachments must be done in a clear, authorized, safe area.
5. Before Starting To Operate The Truck:
 - A. Be in operating position.
 - B. Push clutch (or brake pedal on automatic transmission and electric trucks).
 - C. Put the directional controls in neutral.
 - D. Start engine or turn on power.
 - E. Before operating truck, check functioning of lift and tilt systems, directional and speed controls, steering, warning devices, brakes, and any attachment. (If used)
 - F. Release parking brake.

- continued -

OWNER SAFE MAINTENANCE PRACTICES (CONT.)


6. Avoid fire hazards and have fire protection equipment available. Do not use an open flame to check level, or for leakage, of fuel, electrolyte or coolant. Do not use open pans of fuel or flammable cleaning fluids for cleaning parts.
7. Provide ventilation to the work area, vent exhaust fumes, and keep shop clean and floor dry.
8. Handle LP gas cylinders with care. Do not drop, dent, or damage in any way.
9. Brakes, steering mechanisms, control mechanisms, warning devices, lights, governors, lift overload devices, guards and safety devices must be inspected regularly and maintained in a safe operating condition.
10. All parts of lift and tilt mechanisms and frame members must be carefully and regularly inspected and maintained in a safe operating condition.
11. Special trucks or devices designed and approved for hazardous area operation must receive special attention to make sure that maintenance keeps the original, approved safe operating features.
12. Fuel systems must be checked for leaks and condition of parts. Extra special consideration must be given in the case of a leak in the fuel system. Action must be taken to prevent the use of the truck until the leak has been corrected.
13. All hydraulic systems must be regularly inspected and maintained in conformance with good practice. Tilt cylinders, valves, and other like parts must be checked to make sure that "drift" has not developed to the extent that it would create a hazard.
14. Capacity, operation and maintenance instructions plates, tags, or decals must be maintained in legible condition.
15. Batteries, motors, controllers, limit switches, protective devices, electrical conductors and connections must be inspected and maintained in conformance with good practice. Special attention must be paid to the condition of electrical insulation.
16. Industrial trucks must be kept in a clean condition to minimize fire hazards and help in the detection of loose or defective parts.
17. Modifications and additions which affect capacity and safe truck operation must not be done by the customer or user without manufacturers prior written approval. Capacity, operation and maintenance instruction plates, tags or decals must be changed accordingly.
18. Care must be taken to make sure that all replacement parts are interchangeable with the original parts and of a quality equal to that provided in the original equipment.


SAFETY MESSAGES

PLEASE READ AND UNDERSTAND THE SAFETY MESSAGES
SHOWN BELOW BEFORE YOU DO ANY WORK ON A LIFT TRUCK

 WARNING
NAMEPLATES & DECALS
DO NOT OPERATE A LIFT TRUCK WITH DAMAGED OR LOST DECALS AND NAMEPLATES. REPLACE THEM IMMEDIATELY. THEY CONTAIN IMPORTANT INFORMATION.

 WARNING
LIFT TRUCK MAINTENANCE
DO NOT WORK ON THIS TRUCK UNLESS YOU ARE TRAINED AND AUTHORIZED AND KNOW THE CORRECT MAINTENANCE PROCEDURES.

 WARNING
PERSONAL INJURY
WEAR EYE GLASSES, SAFETY SHOES AND CORRECT FITTING CLOTHING WHEN WORKING ON LIFT TRUCKS. INJURY CAN RESULT IF YOU DO NOT WEAR PROTECTION.

 WARNING
AIR PRESSURE
WEAR EYE PROTECTION & PROTECTIVE CLOTHING WHEN CLEANING OR DRYING WITH AIR PRESSURE. REDUCE PRESSURE TO [207 kPa] 30 PSI. DEBRIS REMOVED WITH AIR PRESSURE CAN CAUSE INJURY.

 WARNING
FALLING FORKS
DO NOT WALK OR STAND UNDER RAISED FORKS. THE FORKS CAN FALL AND CAUSE INJURY OR DEATH.


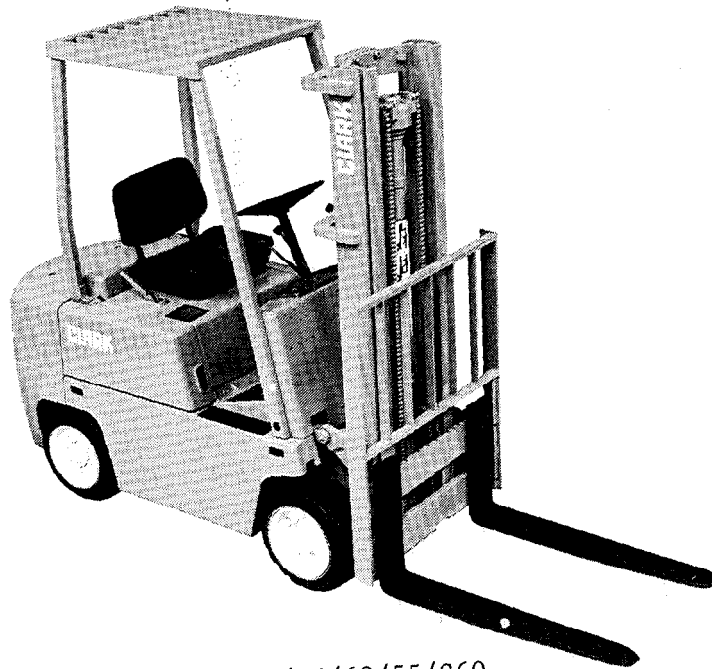
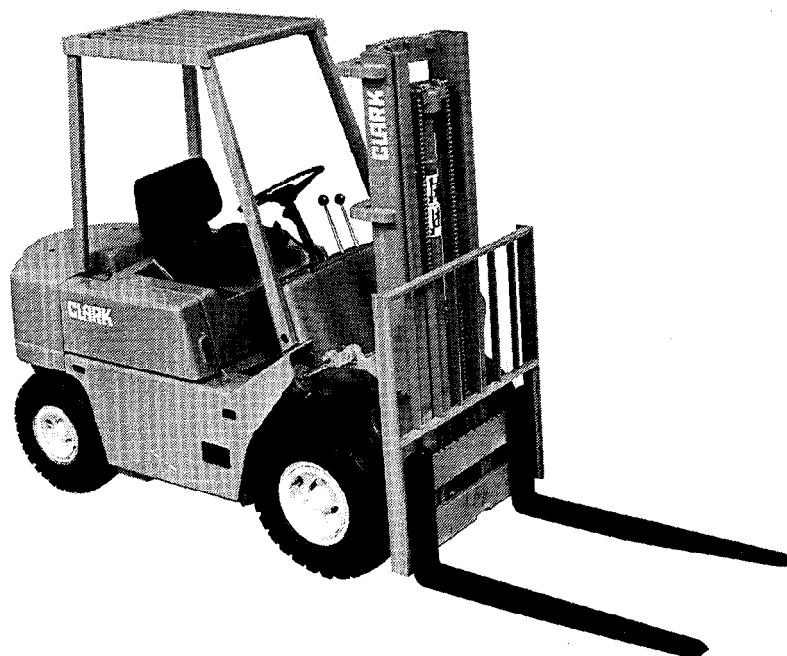
 WARNING
HYDRAULIC FLUID PRESSURE
DO NOT USE YOUR HANDS TO CHECK FOR HYDRAULIC LEAKAGE. FLUID UNDER PRESSURE CAN PENETRATE YOUR SKIN AND CAUSE SERIOUS INJURY.

ILLUSTRATION OF MACHINE



C500 35/40/45/60/55/S60
C500 H30/H40/H50



C500 Y40/Y45/Y50/Y55/SY60
C500 HY40/HY50