

FRAME

GENERAL

This section has a description and the service procedures for the parts of the frame. These parts include the frame, counterweight assembly, overhead guard, hydraulic tank, access panels, and label positions. (See FIGURE 1.) The procedure for removing the traction motor is also described in this section.

DESCRIPTION

The frame is a single weldment. The frame has mounts for the counterweight, overhead guard, tilt cylinders, steering axle, and drive axle assembly. The hydraulic tank is a plastic tank mounted in the right side of the frame on all of the XL series of lift trucks except the E3.50-5.50XL (E70-120XL, E70-120XL₃) series. On the E3.50-5.50XL (E70-120XL, E70-120XL₃) models, the hydraulic tank is part of the lift truck frame and is a welded steel unit. The lift trucks must have a hood over the battery, or a covered battery if a hood is not installed. The floor plates can be removed for access to the hydraulic systems. A panel in the bottom of the battery compartment can be removed for access to the traction

motor and the hydraulic pump motor. On the E3.50-5.50XL (E70-120XL, E70-120XL₃) models, this panel also gives access to the power steering pump motor. The SCR (silicon controlled rectifier) electronic controller and contactors are in the counterweight. A panel in the counterweight can be removed for access to the SCR controller and contactors.

The frames for the lift trucks are similar in design, but are different sizes for each XL series. The J1.25-1.75XL (E25-35XL) models with pneumatic tires have fenders welded to the frame because of the wider drive tires.

The E2.00-3.00XL (E40-60XL) lift trucks have frames made in four different configurations. The lift truck with the long [842 mm (33.1 in) battery compartment] frame has a larger battery compartment than the lift truck with the short [695 mm (27.4 in) battery compartment] frame. Some lift trucks have additional counterweight metal added to the frame in front of the steering axle because of differences in some battery weights. The remainder of the frame parts are the same.

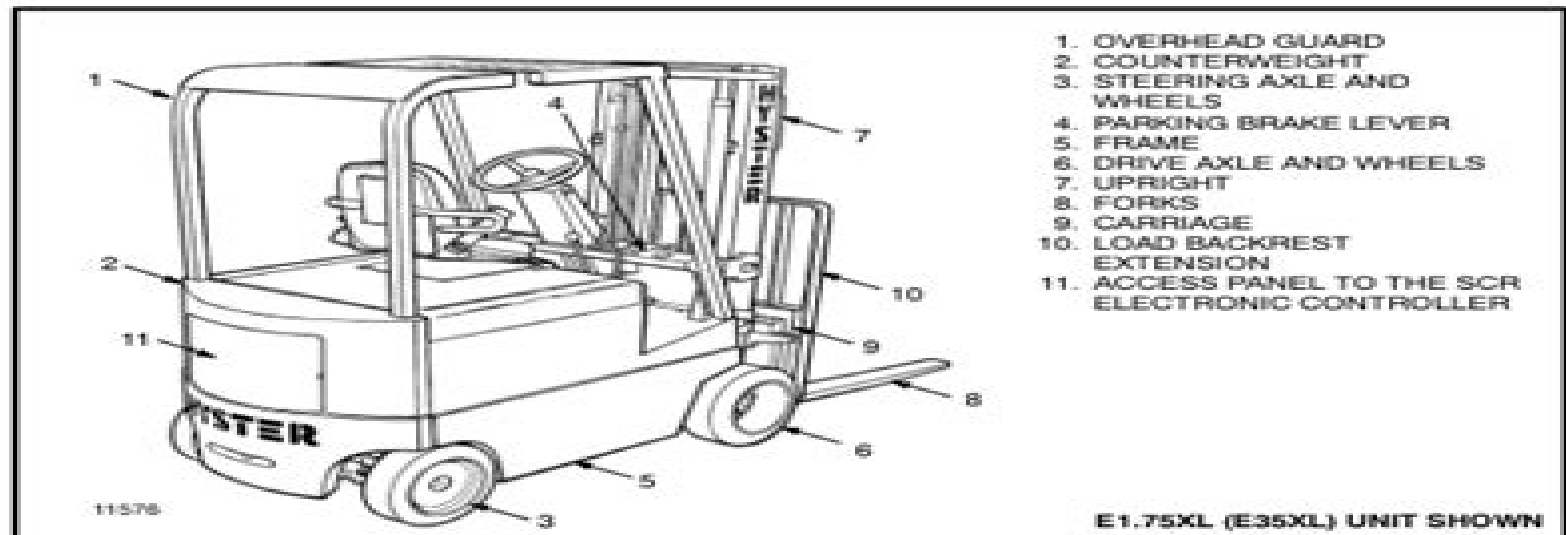


FIGURE 1. PARTS OF THE LIFT TRUCK

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J. B. Hopkinson, R. O. Newberry



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