

Safe Working Practices:

SWP- 28 Levio, Disassemble Drive Unit from Fork Frame

Before doing any type of work you must carry out an assessment of the task to be undertaken. This will include the equipment to be worked on, the task itself, Personal Protective Equipment requirements, the work area and environment, plus the tools and equipment required to carry out the job safely. Consult your team leader if you are not satisfied the job can be carried out in a safe manner.

GENERAL

- 1.0 This process should only be adopted when no alternative means of lifting the battery from the truck is available. The battery is left in place throughout the procedure.
- 1.1 Particular attention should be taken in the selection of a safe working area, see SWP "Work Area". Reference should be made to SWP-02 "Jacking & Blocking" and SWP "Battery Handling/Maintenance".
- 1.2 This operation must be carried out on level ground. The surface must be non-slip and stable.
- 1.3 This is a two person task. When working together technicians should elect a leader and discuss a plan of action to be taken to complete the task.

WORK PROCESS

Proceed as follows to separate the fork frame from the drive unit:

- 2.0 Remove the inspection covers and the battery door. The top cover is secured with Velcro tape. Be careful when detaching the cover.
- 2.1 Raise the forks.
- 2.2 Unscrew and remove the axle locking on each side (D, E).
- 2.3 Lower the forks and disconnect the battery connector.
- 2.4 Unfasten the battery cables and clips as well as the emergency stop cables from the fork frame.
- 2.5 Remove the cylinder locking U clip (A).
- 2.6 Turn the drive unit until the drive wheel points to the side.
- 2.7 Insert a wooden packing under the central rear edge of the drive unit chassis. (F)
- 2.8 Place the jack between the forks and lift the fork frame.
- 2.9 Lift up the truck approx 140 mm place blocks under the battery compartment/fork carriage (G). Align the mounting hole (B) on the fork frame side with the axle.
- 2.10 Remove the axles by drifting them inwards (C).
- 2.11 Then pull the drive unit away from the fork frame using a suitable *packing e.g. pallet board (F) to stabilise the drive unit.

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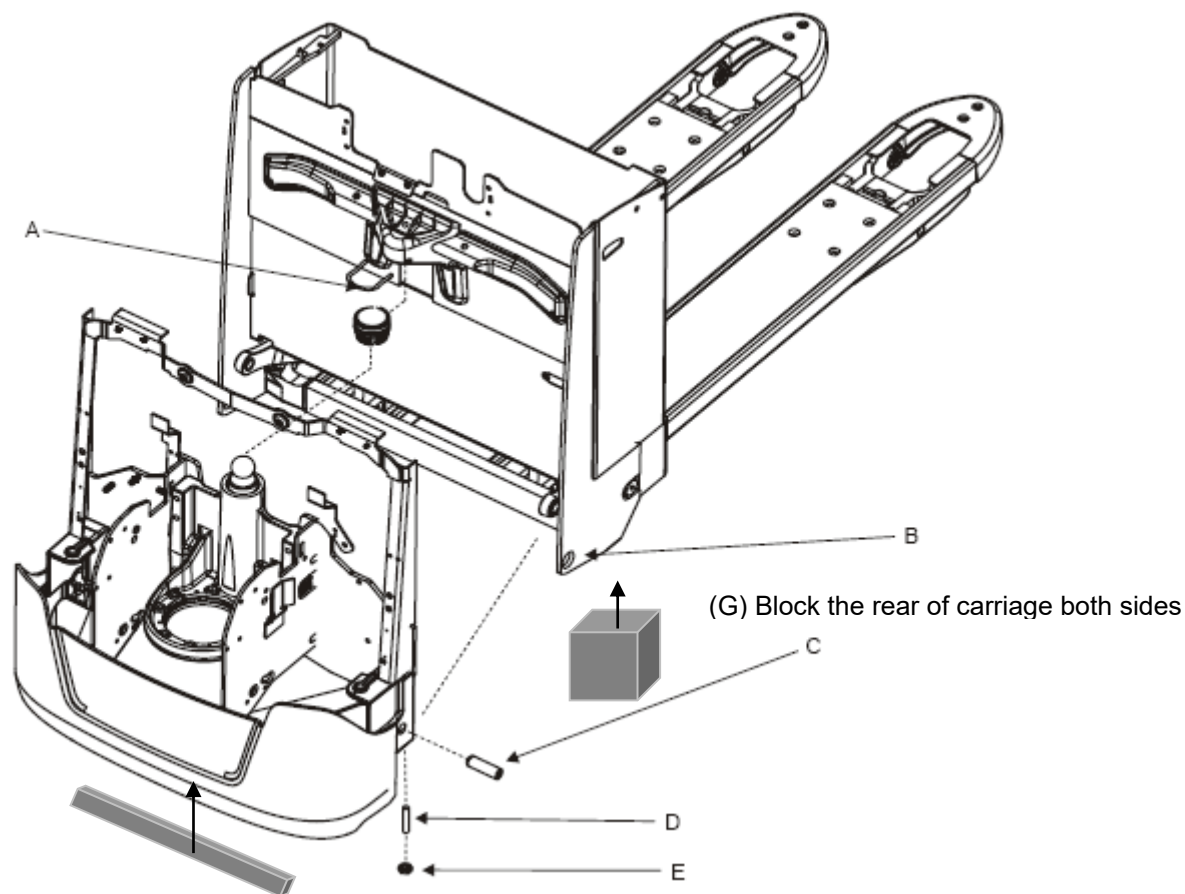
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- 2.12 **Never lift the drive unit by the tiller arm when separating the drive unit from the fork frame.**

Be careful when reassembling so that no cables are trapped. Do not use the hydraulic function when the lifting cylinder is unattached.

Assemble in reverse order.

* Should not be used for load-bearing.



(F) Place a suitable packing to stabilise the rear of the drive unit

CHILDREN AND YOUNG PERSONS

- 3.0 See Safety & Environmental Manual procedure "Employment of Young Persons" for precise definitions on children and young persons.
- 3.1 "Children" are not permitted to work on machines in this way and are not permitted to work on or near whilst the units are in the process of separation
- 3.2 "Young Persons" may work on the separated units but only under constant supervision. However, they must take no part in the jacking and separation process.