Manufacturer		Hyster
Model		P1.5UT (A3D1)
Drive type		Electric
Operation type		Pedestrian
Rated load	Q (kg (lb))	1500 (3307)
Load center distance	C (mm (in))	600 (23.6)
The lowest height of fork	h_{13} (mm (in))	85/75 (3.3/2.9)
Tread	Y(mm (in))	1287/1357 (50.67/53.42)
Tire		PU
Tire size, front	Mm (in)	Ø195X70 (Ø7.68X2.8)
Tire size, rear	Mm (in)	Ø80/Ø74 (Ø3.1/Ø2.9)
Wheel number, front/rear (x=driving wheel)		1X-2/4
Lift height	h_3 (mm (in))	200/190 (7.87/7.48)
Min./Max. height of operation handle in the driving position	h_{14} (mm (in))	700/1270 (27.6/50.00)
Overall length	l1 (mm (in))	1654/1724 (65.19/67.87)
Height of tiller in drive position min./max	l2 (mm (in))	504 (19.8)
Overall width of truck body	b1 (mm (in))	685/550 (27.0/21.7)
Fork dimension	s/e/l (mm (in))	53/160/1150 ()
Fork width	b5 (mm (in))	520/550/685 (2.09/21.7/27.0)
Wheelbase ground distance	h1 (mm (in))	32/22 (1.3/0.9)
Aisle width, with pallet 1000x1200 crosswise	Ast (mm (in))	1854/1924 (72.99/75.75)
Aisle width, with pallet 800x1200 lengthwise	Ast (mm (in))	1904/1924 (74.96/75.75)
Turning radius	Wa (mm (in))	1454/1524 (57.24/60.00)
Traveling speed, laden/unladen	Km/h (mph)	4.3/4.8 (2.7/3.0)
Lifting speed, laden/unladen	Mm (in)/s	35/45 (1.4/1.8)
Lowering speed, laden/ unladen	Mm (in)/s	80/37 (3.1/1.5)
Max. gradeability, laden/unladen	%	5/10
Driving motor power	KW	0.65
Lifting motor power	KW	0.8
Battery voltage/rated capacity	V/Ah	24/50
Battery dimension（LXWXH）	Mm (in)	228/138/214 (8.98/5.43/8.42)
Battery weight	Kg (lb)	36 (79)
Service weight	Kg (lb)	205 (452)
Service brake		electric
Noise level at operator’s ear	dB(A)	70

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Operation

Rules for safe operation

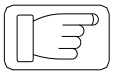
Warning

 Please pay attention to the following items first before operation of the truck:

1. This electric truck is limited to utilization indoors with a hard flat floor. Operation in inflammable, explosive environment or corrosive environment such as acid or alkaline condition shall be strictly forbidden.
2. Only drivers who have received formal training and are authorized can be allowed to drive the truck.
3. Read this instruction carefully before operation so as to master the performance of the truck. Check whether the truck is in its normal condition before each operation. It is forbidden to use faulty truck. Repair by untrained persons is forbidden.
4. Overloading the truck is forbidden. It can cause the wheel to skid, resulting in damage to wheel and motor as well as risk of injury or damage to the human body and goods.
5. Center loads when moving. It is forbidden to transport loose goods.
6. Always use the truck under stipulated voltage of 20.4V.
7. It is strictly forbidden to charge by connecting the plug to AC power directly.

Safety operation norms

1. Training of driver

Even though each electric truck may have the same technical parameters as another truck, there may be differences on features of braking and acceleration as well. Never drive the truck until you get familiar with all those operations.

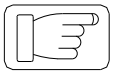
2. Attire

Please put on safety shoes and protective clothes. Do not wear clothes that are too loose for sake of being caught, which would result in danger.

3. Rules that must be observed

Never drive the truck when you are tired or distracted, or under the influence of alcohol or drugs.

4. Safety of working place

This kind of electric truck is only limited to utilization indoor with a hard flat floor. Operation in inflammable, explosive environment or corrosive environment such as acid or alkaline condition shall be strictly forbidden.

a) Use the truck only on hard, smooth surfaces.
b) Sufficient light shall be ensured on working place.

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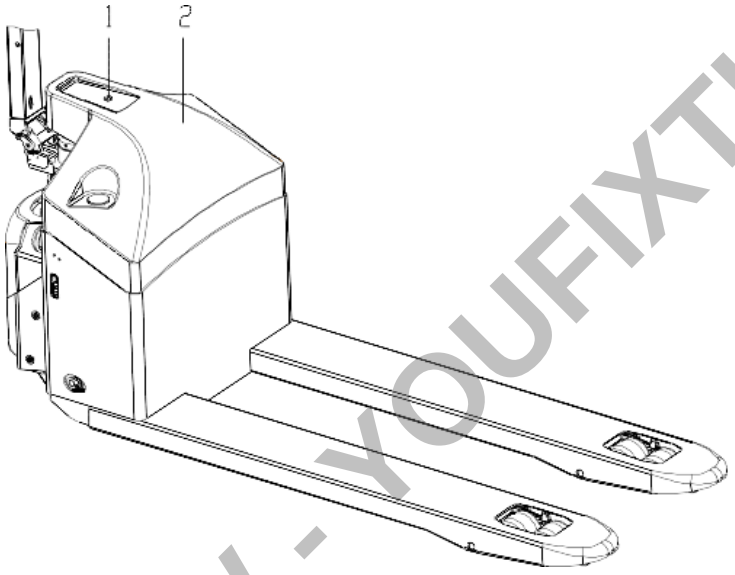
If the charger you use is semi-automatic or manually adjustable, please charge the battery pack according to the requirements of use and maintenance in **Battery use, charging and maintenance**.

Replacement of storage battery

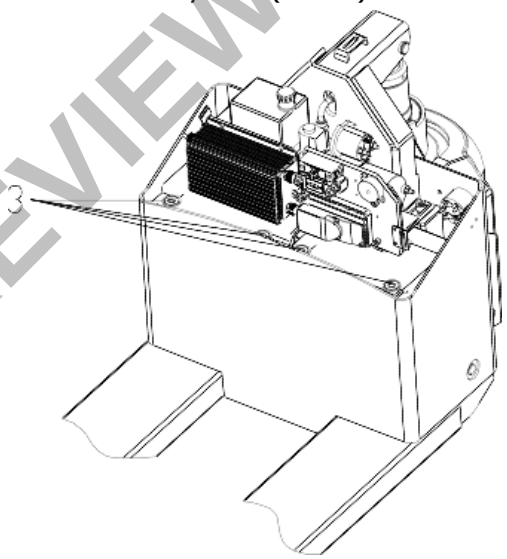
Warning

Handle the battery carefully during lifting and movement to reduce the risk of damage to the battery or personal injury.

1. Turn off the key switch.
2. Push the emergency power off switch.
3. Loosen screw (item 1) and remove the cover (item 2).



4. Remove battery wire (item 3).



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Driving and operation

Inspection before operation

It is compulsory to check the truck completely before operation. Contact the sales department of our company when finding problems.

Name	Check point	Check content
Braking system	Operation handle	When the tiller handle is moved between area A and B, there is a noise from the brake.
Steering system	Operation handle	Fasteners are tight and the tiller handle moves freely.
Battery	Charge	Confirm the display correctly states the battery capacity.
	Connecting line	The connecting line and socket shall be firm.
Instrument	Function	Turn on the keyswitch to check whether the instrument displays normally.
Others	Truck frame	Check for cracks or other damage.
	Traction function	Check that the truck moves forward & backward, and listen for any abnormal noise.

Warning


Never use a faulty truck.

Driving

Notice


Before operating truck, check the following items:

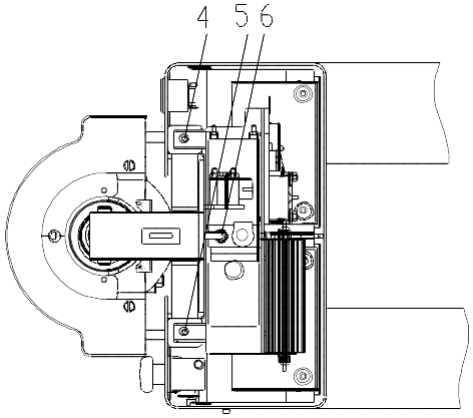
- Ensure no goods or debris are in the loading area.
- Ensure no goods or objects are causing an unsafe condition.

1. Start the truck
   Make sure the emergency power off switch is up. Turn on the key switch. Move the tiller handle into zone B area to operate traction and hydraulics. Rotate the accelerate control, in the direction of desired truck movement. The speed of the truck movement is determined by the rotation angle of control.
   Warning
   
   When moving goods, never rotate the accelerator knob rapidly to speed up the truck abruptly.
2. Turning
   Turn the tiller handle in the direction the rear of the truck will turn. When travelling with forks leading, turn the handle to the right to make the truck turn left. When travelling with forks trailing, turn the tiller to the right to make the truck turn right.
3. Braking

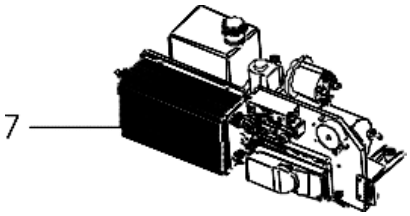
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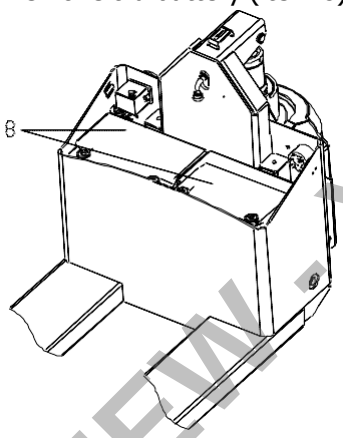
5. Loosen screws (items 4 and 5), then remove oil tube connector (item 6).



6. Pull out the connector, then remove the integration component (item 7).



7. Remove old battery (item 8).



8. To install the new battery, follow steps 1-7 in reverse order.

Manufacturer's address

Region	Address
Europe	HYSTER EUROPE Centennial House Frimley Business Park Frimley, Surrey GU16 7SG United Kingdom
Brazil	HYSTER BRAZIL Rod. Pres. Castello Branco, KM 75,8 s/nº / CEP: 13008-700 / ITU – São Paulo

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