

11121001

SCANNED

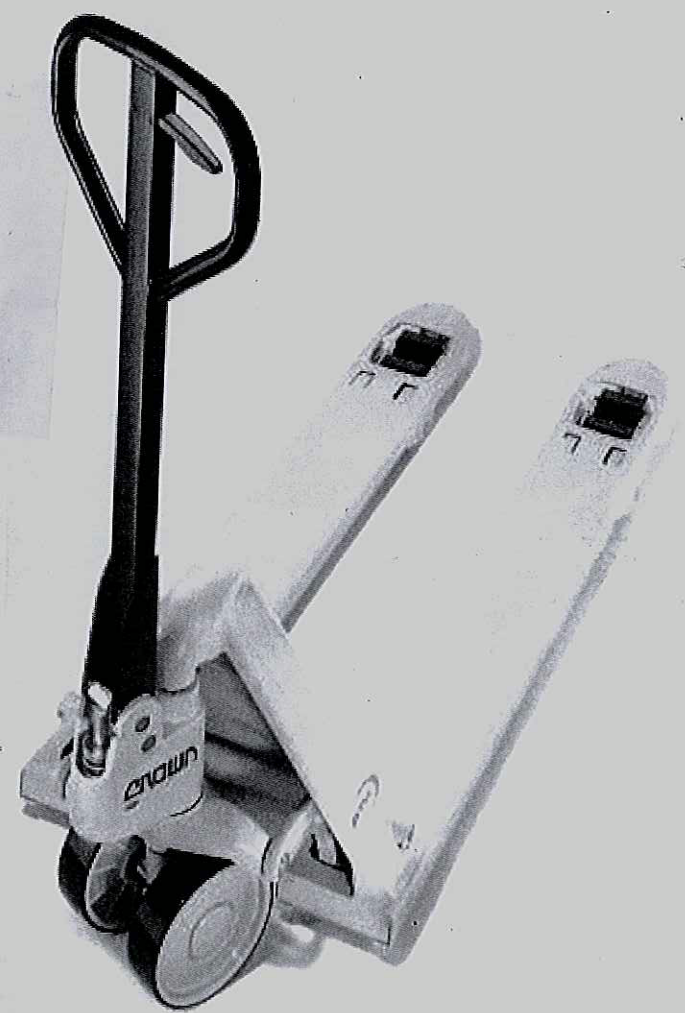
No. 697

CROWN



PTH50 Series

(DE) (NL) (GB) (TR)



CROWN

11121 SCANNED

Type: Pallet Trolley 2 T.
2005 m Long

Operator Manual

(GB)

- INTRODUCTION 2
- SAFETY 4
- OPERATION 9
- TRANSPORT 12
- STORAGE 13
- MAINTENANCE 14
- TECHNICAL SPECIFICATIONS 15
- ENVIRONMENTAL PROTECTION 16
- SPARE PARTS 17

Before operating the truck:



Read the operator manual.

Observe the safety instructions in the manual and on the truck.

Do not operate the truck unless you have been authorised and trained to do so.

Who should read this manual?

Primarily, the person operating the truck.

Detailed maintenance and repair work are described in the maintenance manual.

The most important person for ensuring safe operation is you:

- Only you, the operator, are able to protect life and limb through your attentiveness, careful driving, and by adhering to the operating limits and safety regulations.

Familiarise yourself with this operator's manual and the truck. Read the Safety section which includes:

- an explanation of the symbols used in the operator manual.
- a summary of the general safety instructions.

Detailed safety instructions appear, where necessary, before the relevant sections in the operator manual.

- A list of spare parts to be replaced by specialist personnel.

Model Number

All lift trucks have a model number that give a brief description of the truck. Always state the model number when ordering spare parts.

Serial Number and Operator Manual

The Operator Manual is part of the truck.

- Keep these instructions for later use.
- Should you ever sell the truck, include the operator manual with it.

--	--	--	--	--	--	--	--	--	--

Please enter the truck serial number here if your dealer has not done so already. You will find the serial number on the data plate.

This registers the Operator Manual with the truck.

The manufacturer of this hand pallet truck is:

Crown Gabelstapler GmbH & Co. KG
- European Headquarters -
 Moosacher Str. 52
 80809 Munich
 Germany

Crown reserves the right to modify the technical design of the truck without simultaneously amending the Operator Manual.

All rights reserved under international and Pan-American Copyright Agreement.
 Copyright 2006
 Crown Equipment Corporation

Safety

Symbols used in the Manual

The following symbols will help you to assess the risk to yourself, other people and material objects if you fail to comply with a safety instruction:

CAUTION



Failure to comply with this instruction will result in minor injuries and/or material damage to the truck or works equipment.

WARNING



Failure to comply with this instruction will result in severe injuries and/or material damage to the truck or works equipment.

DANGER



Failure to comply with this instruction will result in severe injuries, even death.

Instructions preceded by the following symbol are for information purposes:

NOTE



Contains additional information with supplementary notes and hints.

OPTION



Indicates optional equipment. This is not included with the standard truck version.

Safety Instructions for the Owner

As a minimum, this truck version complies with national and European standards in force at the time of delivery.

Crown has undertaken every precaution where possible to avoid risks through the design of the truck.

Truck modifications and attachments are only permissible with the prior authorisation of Crown. In such cases the data plate must be changed accordingly.

To maintain the high level of safety and safe operation of the truck, the owner must ensure that

- only qualified personnel who have been trained to use the truck are allowed to operate it.
- applicable national accident prevention regulations and safety regulations are observed.
- the operating, maintenance and repair guidelines for the truck are observed.
- the operator of the truck has read and understood the Operator Manual.

The owner is any physical or legal person who uses the truck or who authorises its use by others.

Correct Application

DANGER



Do not carry passengers

Severe or fatal injuries could result from carrying passengers.

This truck is designed solely for collecting, lifting and transporting palletised goods.

Only operate the truck within the operating and environmental conditions specified in this manual.

DANGER



Explosion hazard!

Do not operate the truck in areas where there is a risk of explosion.

Serious accidents could result.

The truck is **not** equipped for use in areas where there is a risk of explosion. **Never enter areas designated to be at risk from explosion.**

Spare Parts and Accessories

Only use original Crown spare parts and accessories.

- Crown cannot be held responsible for personal or material damage which may arise from the use of third-party spare parts and accessories.

- The use of non-original Crown spare parts and accessories will invalidate the warranty.

Maintenance and Repair

Maintenance and Repair - Authorised Personnel

Maintenance and repair work may only be carried out by personnel who have been

- properly trained and
- authorised by the owner

Only when both conditions are satisfied can maintenance work be carried out by the operator.

DANGER



Do not modify, adjust or bypass the safety mechanisms.

If the safety mechanisms have been damaged the truck must not be operated until the fault has been rectified and the truck has been approved for operation by an authorised engineer.

After carrying out maintenance and repair work it is essential to check the operation of the safety mechanisms before operating the truck.

Operation, Safety Instructions

Safe and efficient use of a hand pallet truck without a brake requires expertise and attentiveness on the part of the operator.

- Only transport palletised loads
- When laden the truck can weigh more than a small car.
- It does not steer like a car.
- You must be able to brake using your body strength at any time!

Note the following general rules:

- First read and observe all the safety and operating instructions in this operator manual and on the truck.
- The truck must only be operated by trained and authorised personnel. You or other people could be seriously or fatally injured unless you are trained to operate the truck.
- Wear the personal protective clothing required at your place of work (safety shoes, protective helmet, possibly protective gloves). Shoes and hands or gloves must be clean and dry.
- Keep your hands, arms and legs away from the hazard areas (load, lift mechanism and forks).
- Inspect the truck for damage before using it. Report any defects to your supervisor immediately and do not continue to

operate the truck with safety defects.

- Do **not** carry passengers.
- Do not allow anyone to stand near the truck when you are operating it.
- Look out for pedestrians.
- Avoid trapping people between the truck and fixed objects (walls, workbenches etc.).
- Maintain a sufficient safety distance between trucks, personnel and external objects to ensure you can stop the truck in time.
- When walking alongside your pallet truck always maintain sufficient distance between your feet and the truck.
- Do not start, brake or steer abruptly.
- Look in the direction you are travelling! Especially when changing direction. You could be injured by objects protruding into the travel zone.
- Particular attention is required with hidden corners and narrow areas, when travelling around bends and through doors.
- Observe the traffic regulations and speed restrictions in your place of work.
- Do not travel over potholes, greased surfaces or loose material. This can lead to hazardous situations. Travel slowly and, if possible, at an angle over thresholds, tracks, door rails etc..

- Drive with particular care on ramps not fitted with safety borders. You could tip over the ramp.

DANGER



Trucks without a brake must not negotiate inclines when laden.

- When travelling on slopes or inclines, the load must always face uphill. Do not traverse or turn on slopes or inclines. Risk of tipover!
- Slow down when travelling down a ramp. The stopping distance is much longer than on a level surface.

WARNING



Do not exceed the maximum capacity of the pallet truck nor the maximum load centre of gravity height.

Accidents and serious injuries could result.

- The maximum capacity is shown on the data plate. Trucks that appear to be the same may have different capacities.
- Only carry several pallets or wire baskets stacked on top of each other if the top pallets or baskets have been prevented from sliding off.
- Position the load directly above the ground and as close as possible to the load backrest. Prevent the load from sliding off.
- Observe the headroom for high loads.

- Enter the forks centrally under the load. Always collect loads with both forks.
- Check the capacity of the floor before travelling on it. Do not exceed the maximum capacity for lifts, bridge decks and ramps. Make sure the bridge decks are secured.
- Before leaving the truck, park it on a level surface. Lower the forks fully.
- Do not block any traffic lanes, emergency exits, switchgear mechanisms or fire protection equipment.
- Report any damage or accidents immediately to your supervisor.
- A lift truck must not be used where there is insufficient lighting. (Recommended minimum level: 50 Lux)

- Never use the lift truck as a jack.
- A lift truck must not be used in direct contact with food.
- For transporting the truck with a lorry see "TRANSPORT / Transporting on a Lorry"

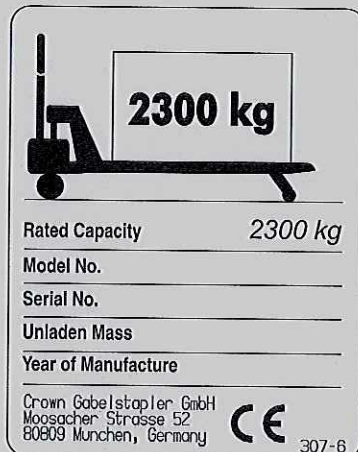
Warning and Instruction Decals on the Truck

(Pull out the fold-out at the back of the manual)

- For safety decals, warning and instruction decals See Fig. OP-004 Item no. 17

Data plate

- For the data plate see Figure OP-001



OP-001

Before using the truck for the first time

Remove the packaging material and carefully inspect the truck for any damage that might have been caused during shipping. Notify the shipping company immediately of any damage.

Operation

(See Fig. M1000a)

DANGER



Accidental lowering can cause injuries!

To travel, always set the selector (2) to neutral (4). This will prevent accidental lowering.

Raising the forks

- Press the selector (2) down to the Raise position (5).
- With a few strokes of the control handle (1) you will reach the desired height.
- Set the selector to "neutral" (4).

Once you have reached the maximum height, additional strokes will have no effect.

Travel / Neutral

- Pull up the selector (2) until it engages in the Travel position (4). You cannot raise or lower in this position.

Lowering the forks

- Slowly raise the selector (2) to the highest position (3) and hold it there. The forks will lower.
- Release the selector (2). It will now return to neutral (4).

EMERGENCY BRAKING

- Slowly pull the selector (2) to the highest position (3) and hold it there. The pallet will suddenly hit the ground and brake.
- Emergency braking by lowering the forks only works if the base of the load or pallet hits the ground, thereby creating friction. It will therefore not work with roll cages.

OPTION Parking Brake

(See Fig. M1001b)

Switching on the parking brake

- Press the catch (6) to the left with your thumb. The locking button (8) will jump out and the catch engages. The parking brake can now be used.

Applying the Parking Brake

- Pull the brake lever (7) fully up. Using your thumb, press the catch (6) towards the centre of control handle until it engages. The brake is now activated.

DANGER



Risk of accidents!

Accidents and serious injuries could result.

Only use the brake as a parking brake.

It must not be applied during travel.

The brake is not designed as an operating brake.

lift truck is not fitted with a brake.

- Observe the headroom for high loads.
- Observe the warning instructions on the truck.

Releasing the Parking Brake

- Pull the brake lever (7) fully up.
- Press the catch (6) to the left with your thumb.
- Release the brake lever (7).

Handling Loads

- **Never exceed the maximum capacity. (The maximum capacity is shown on the data plate.)**
- Always pull the load, where possible. Pulling the load helps you to manoeuvre the truck better and improves visibility.
- Prevent the load from slipping off.
- Collect the load in such a way that it rests against the frame before the control handle.
- Enter the forks centrally under the load.
- Always collect loads with both forks.
- Do not negotiate slopes or inclines with a load if the

Without Brake:

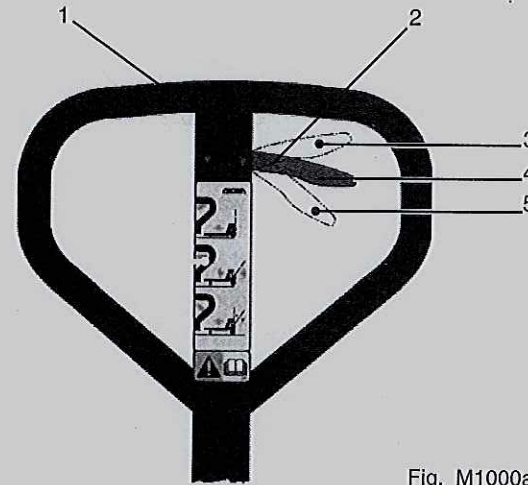


Fig. M1000a

OPTION With Brake:

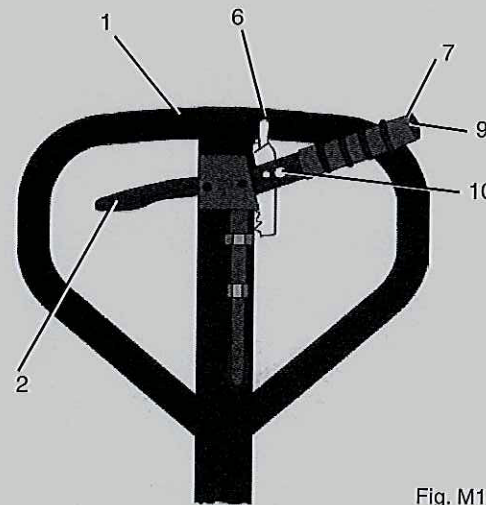



Fig. M1001b

Transporting the Truck with a Crane

DANGER



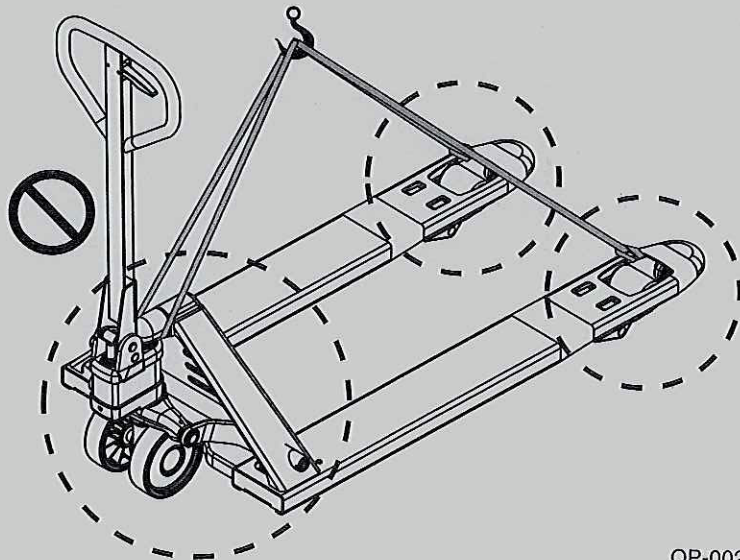
Make sure the crane / truck and the lifting gear have the required capacity.

- Fatal injuries can result from a crane or pallet truck tipover or a falling load.
- The forks must be fully raised for transport.

Attach the 3 straps as shown in Figure OP-002:

- to the cutout on the fork tine and
- behind the lift cylinder

Capacity required:
125 kg min



OP-002

Storage

Taking the truck out of service

If the truck is to be out of service for 3 months or more, proceed as follows:

- Clean the truck*.
- If the truck is to be stored in hostile conditions (e.g. saline atmosphere) treat the surface of the truck with a suitable preservative to prevent corrosion.
- Do not park the truck in the open air or in a humid environment. The ideal place is a dry room where the temperature and air humidity are reasonably constant. If the truck has to be covered, use an air-permeable material. Do not use plastic sheets. Otherwise, condensation may form.

Returning the Truck to Service

To return the truck to service, proceed as follows:

- Remove any anti-corrosion film that may have been applied*.
- *) Note the instructions on page 14

Maintenance

Crown trucks are designed for long-term, maximum use. However, with any machine, a certain level of maintenance is required to maintain functionality, operating safety and maximum operational life.

- Keep the truck clean; this will make it easier to check for damage.
- Observe the following when cleaning the truck:
 - Do not use pressure jets, hoses and/or solvents to clean the truck!
 - Do not use metal brushes!
 - Do not use flammable cleaning agents.
 - Be environmentally aware (see page 16).
- Do not use a naked flame to check fluid levels or to test for leaks.

Oil Grades

Application temperature > 0 °C:
Burmah Castrol Hyspin AWS-32

Application temperature < 0 °C:
Burmah Castrol Hyspin AWH-15

or use similar grade oils.

Warning: Do not use brake fluid



OP-003

Filling plug
Torque 25 +/- 2 Nm

Servicing the Hydraulic Unit

Checking the oil level

- Lower the forks
- Remove the oil refill plug
- Check the hydraulic oil level

The hydraulic oil should be up to the lower mark of the filler port. Replenish if necessary.

Total capacity: approx. 580 ml

Technical Specifications

Atmospheric Conditions

PTH 50 Standard

Application temperature range*
-30 °C – +50 °C

* These values also apply to the PTH50 S and PTH50 PS

The following applies to all trucks:

Use low temperature hydraulic oil when operating the truck below 0 °C.

Environmental Protection & Disposal

Environmentally harmful substances are used for servicing and cleaning all types of technical equipment.

Do not simply release them into the environment. Act responsibly:

- Clean and lubricate the truck only in specially designated areas which are equipped to contain harmful chemicals and oils.
- Protect our natural resources. Faulty batteries, electrolyte, hydraulic oils etc. require special disposal. Dispose of these materials in the proper manner or, better still: arrange for them to be recycled.
- Should the truck ever need to be scrapped, have this performed by a specialist company. Valuable raw materials can be professionally separated and re-used.

Item	Part no.:	Description	Req. Qty.
1	044521-001	Control handle and decal	1
2	050005-002	Hex. socket screw	1
3	046236	Pump plunger roll	1
	055084-001	DX bushing	2
4	046129	Pull chain including chain and lock	1
5	816814	Hydraulic unit	1
6	050012-021	Retaining ring	2
7		Steered wheel, with bearing	
	818275-001	Polyurethane wheel (standard)	2
	818275-002	Nylon wheel (option)	2
	818275-003	Elastic wheel (option)	2
8	044777	Exit roller	4
9		Load wheel, with bearing	
	044506-001	Polyurethane (standard)	2
	044506-002	Nylon (option)	2
10	050000-012	Tensioning sleeve	2
11	044461	Entry roller	2
12	069467	Decal	2
13	869105-006	Decal	2
14	069469	Decal	3
15	869290	Decal	1