

ORIGINAL INSTRUCTIONS

TL100

Mini Track Loader

OPERATOR'S MANUAL

Part number 92846249 (B280101089)

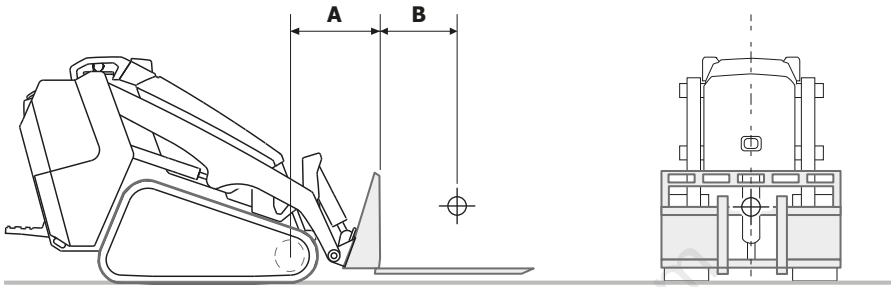
1st edition English
October 2025



3.10.2 - Pallet forks

The pallet forks must comply with the indicated sizes.

The capacity indicated by the manufacturer of the forks must be equal to or higher than the operating load of the machine.



Key:

A	Outreach (distance from the centre of the front idler wheel to the fork plate support)
B	Barycentre of load

PALLET FORKS			
max WEIGHT		135 kg (297.6 lb)	
A max		1010 mm (39.8 in)	
B max		610 mm (24.0 in)	
TRACK WIDTH	NUMBER OF COUNTERWEIGHTS	OPERATING LOAD	TIP-OVER LOAD
250 mm (9.8 in)	3 + 3	230 kg (507.1 lb)	650 kg (1433.0 lb)
180 mm (7.1 in)	1 + 1	210 kg (463.0 lb)	600 kg (1322.8 lb)

STARTING EQUIPMENT

If all the previously indicated checks had a positive outcome, proceed to start the engine.



NOTICE

Allow the engine and hydraulic oil to warm up properly because, if they are not sufficiently warm before the control levers are activated, the machine will operate sluggishly, which may lead to accidents.

6.8 - Engine jump-starting procedure

If the engine does not start by following the procedures given in section "6.7.2 - Procedure for starting the machine" to page 6-8, check if the battery is charged. Replace the battery if necessary (refer to section "8.8 - Battery" to page 8-28).

If the battery charge is low, use the following procedure to start the engine.



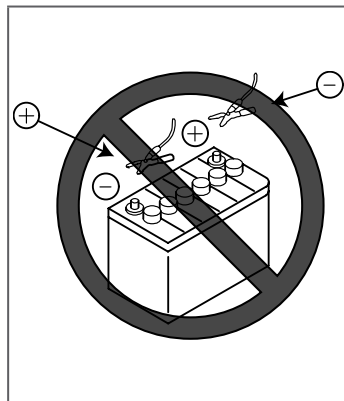
WARNING

When connecting the cables, prevent the positive (+) and negative (-) leads from touching each other.

When this procedure is performed, always wear safety goggles.

Be careful to avoid contact between the machine being started and the machine providing the current, to prevent sparks from being generated near the battery.

The sparks can cause explosion of the hydrogen produced by the batteries and cause serious damage and injury.



Be careful not to make any mistakes when connecting jump leads. During the final connection (to the turning frame) a spark is generated; connect therefore the cable as far away as possible from the battery (avoid work equipment, they are not good power conductors).

On disconnecting an extra cable, prevent the grapples from colliding against each other or against the machine frame.

6.20.1 - Connection of equipment to the hydraulic systems



WARNING

Read the contents of the equipment instruction manual carefully before connecting to the machine.

Never connect any equipment to the hydraulic lines before it is properly installed from a mechanical point of view and locked on the machine boom.

Before carrying out any interventions on the hydraulic system, stop the machine and release any residual pressures.

All operations must be performed with the machine parked on flat and compact ground.



NOTICE

When removing hydraulic connections, be very careful that impurities do not enter the pipes.

Clean immediately any oily area.

The pipes end with quick couplings that allow to rapidly connect the pipes of the equipment, isolate the hydraulic system from dirt entering and prevent oil leaks if no equipment is connected.

The equipment must be connected to the hydraulic systems using flexible rubber hoses with compatible quick-couplings.

8.3.1 - Engine hood

The engine hood (1) is positioned centrally on the body of the machine.

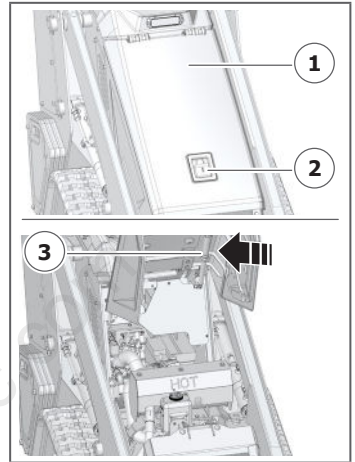
From here you can access: the engine, the fuel system, the cooling system, the air filter, etc...

To **open** the hood:

- using the handle (2), pull the hood upwards and push it as far as it will go;
- the hood is held open by a gas spring (3) with a mechanical lock.

To **close** the hood:

- while holding the hood with one hand, use the gas spring body (3) to release it;
- Pull the hood downwards until the lock can be felt to engage.



The hood can be locked using a padlock (not supplied).



WARNING

Over time, the gas spring may wear out and no longer be able to push the hood to the end of its stroke, in which case the mechanical lock will not engage automatically; replace the gas spring.

Be very careful if the hood is open and the mechanical lock is NOT engaged as it may suddenly close and cause severe injuries to the operator's hands or head.

8.11.3 - Replacement of engine oil



WARNING

Secure the machine as indicated in section "8.1.1 - Putting the machine out of service for maintenance" to page 8-4.



WARNING

Immediately after using the machine, the temperature of the components and of the hydraulic oil may be high and may cause burns; after stopping, wait until the temperature drops below 40°C (104°F) before proceeding with maintenance operations.



NOTICE

The engine oil should be changed when the oil is lukewarm +25/+40°C (+77/+104°F), as this improves the drainage of the old oil.

When it is cold, the oil drainage may be compromised or prove to be difficult.

This would cause the mixing of old oil and new oil, resulting in a reduction of the life of the engine.

To **replace** the engine oil:

- unscrew the screws and remove the protective cover **(1)**;
- unscrew the engine oil drain plug **(2)** located under the engine and let the oil flow out into a suitable container and dispose of it in compliance with the standards in force;
- open the engine compartment hood;
- unscrew the filler cap **(3)** to help the oil to drain out;
- wait for the oil to flow out completely;
- clean the caps **(2-3)** and the oil dipstick **(4)**;
- tighten the drain plug **(2)** and refit the protective cover **(1)**;
- add more oil through the inlet **(3)** according to the type and amount indicated in the liquids table;

Full Version Available

Case TL100 Mini Track Loader Operator's
Manual (92846249) (October 2025)

This is a short preview. The complete document contains all sections, diagrams, part numbers or specifications, and full procedures.

VIEW THE FULL MANUAL