



A TEREX BRAND

Operator's Manual

S-40 TRAX
S-45 TRAX

AUS
Australia

with
Maintenance
Information

First Edition
First Printing
Part No. 217556

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Work Area Safety

Pictures in this manual may show a boom with tires and wheels instead of tracks.

All safety information and operating instructions still apply to the S-40 TRAX and the S-45 TRAX, even if the picture does not show the tracks.

⚠ Electrocuting Hazards

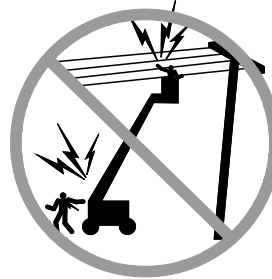
This machine is not electrically insulated and will not provide protection from contact with or proximity to electrical current.



Obey all local and governmental regulations regarding required clearance from electrical power lines. At a minimum, the required clearance contained in the chart below must be followed.

Line Voltage	Required Clearance
0 to 50KV	3.05 m
50 to 200KV	4.60 m
200 to 350KV	6.10 m
350 to 500KV	7.62 m
500 to 750KV	10.67 m
750 to 1000KV	13.72 m

Allow for platform movement, electrical line sway or sag, and beware of strong or gusty winds.



Keep away from the machine if it contacts energized power lines. Personnel on the ground or in the platform must not touch or operate the machine until energized power lines are shut off.

Do not operate the machine during lightning or storms.

Do not use the machine as a ground for welding.

⚠ Tip-over Hazards

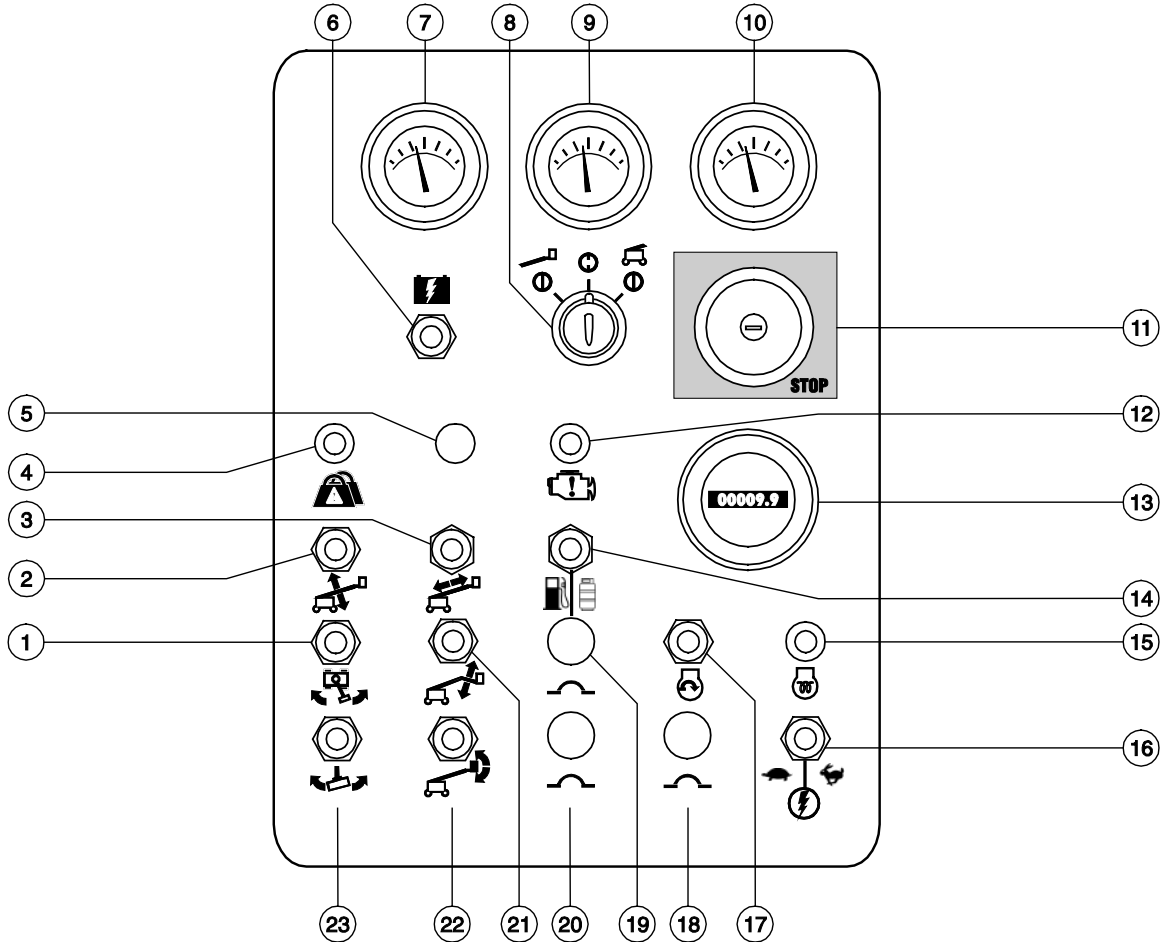
Occupants, equipment and materials shall not exceed the maximum platform capacity for the restricted or unrestricted range of motion.

Maximum platform capacity	227 kg
Maximum occupants	2

The weight of options and accessories, such as pipe cradles, panel cradles and welders, will reduce the rated platform capacity and must be subtracted from the platform capacity. See the decals with the options and accessories.

If using accessories, read, understand and obey the decals, instructions and manuals with the accessory.

Controls



Ground Control Panel

- | | | |
|---|---|--|
| 1 Turntable rotate switch | 8 Key switch for platform/off/ground selection | 17 Engine start switch |
| 2 Boom up/down switch | 9 Oil pressure gauge | 18 15A breaker for engine electrical circuits |
| 3 Boom extend/retract switch | 10 Voltage gauge | 19 20A breaker for oil cooler and options |
| 4 Not used | 11 Red Emergency Stop button | 20 15A breaker for control electrical circuits |
| 5 Not used | 12 Check engine light | 21 Jib boom up/down switch |
| 6 Emergency power switch | 13 Hour meter | 22 Platform level switch |
| 7 Gasoline/LPG models:
Water temperature gauge
Diesel models: Oil temperature gauge | 14 Gasoline/LPG models:
Gasoline/LPG select switch | 23 Platform rotate switch |
| | 15 Glow plug switch | |
| | 16 Function enable switch | |



Inspections

At the Ground Controls

- 1 Select a test area that is firm, level and free of obstruction.
- 2 Turn the key switch to ground control.
- 3 Pull out the red Emergency Stop button to the on position.
- ⊙ Result: The beacons (if equipped) should flash.
- 4 Start the engine. See Operating Instructions section.


Test Emergency Stop

- 5 Push in the red Emergency Stop button to the off position.
- ⊙ Result: The engine should shut off and no functions should operate.
- 6 Pull out the red Emergency Stop button to the on position and restart the engine.

Test the Hydraulic Return Filter

- 7 Move the engine idle select switch to high idle (rabbit symbol).
- 8 Locate and check the hydraulic filter condition indicator.
- ⊙ Result: The filter should be operating with the plunger or the needle in the green area.
- 9 Move the engine idle select switch to foot switch activated high idle (rabbit and foot switch symbol).

Test Machine Functions

- 10 Do not hold the function enable switch to either side. Attempt to activate each boom and platform function toggle switch. 
- ⊙ Result: No boom and platform functions should operate.
- 11 Push and hold the function enable button and activate each boom and platform function toggle switch.
- ⊙ Result: All boom and platform functions should operate through a full cycle. The descent alarm should sound while the boom is lowering.

Operating Instructions

Starting the Engine

- 1 At the ground controls, turn the key switch to the desired position.
- 2 Be sure both ground and platform control red Emergency Stop buttons are pulled out to the on position.

Gasoline/LPG models

- 1 Choose fuel by moving the fuel select switch to the desired position.
- 2 Move the engine start toggle switch to either side. If the engine fails to start or dies, the restart delay will disable the start switch for 3 seconds.



Diesel models

- 1 When starting in cold conditions, move the glow plug switch (if equipped) to either side and hold for 3 to 5 seconds.
- 2 Move the engine start toggle switch to either side. If the engine fails to start or dies, the restart delay will disable the start switch for 3 seconds.

All models

If the engine fails to start after 15 seconds of cranking, determine the cause and repair any malfunction. Wait 60 seconds before trying to start again.

In cold conditions, -6°C and below, warm the engine for 5 minutes before operating to prevent hydraulic system damage.

In extreme cold conditions, -18°C and below, machines should be equipped with optional cold start kits. Attempting to start the engine when temperatures are below -18°C may require the use of a booster battery.

Gasoline/LPG models: In cold conditions, -6°C and below, the machine should be started on gasoline and warmed for 2 minutes, then switched to LPG. Warm engines can be started on LPG.

Emergency Stop

Push in the red Emergency Stop button to the off position at the ground controls or the platform controls to stop all machine functions and turn the engine off.

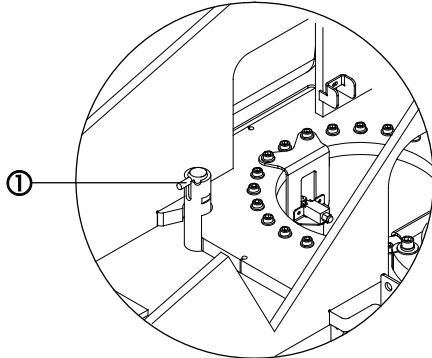
Repair any function that operates when either red Emergency Stop button is pushed in.

Selecting and operating the ground controls will override the platform red Emergency Stop button.

Transport and Lifting Instructions

Securing to Truck or Trailer for Transit

Always use the turntable rotation lock pin each time the machine is transported.



1 Turntable rotation lock pin

Turn the key switch to the off position and remove the key before transporting.

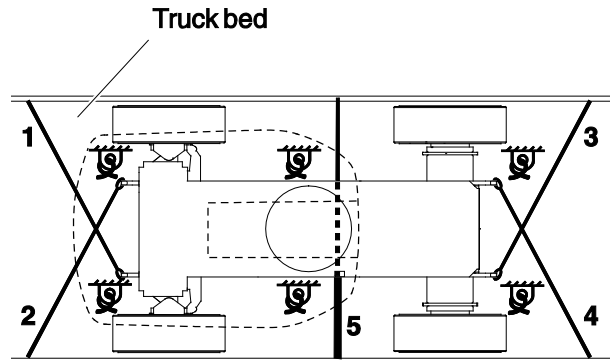
Inspect the entire machine for loose or unsecured items.

Securing the Chassis

Use chains or straps of ample load capacity.

Use a minimum of 5 chains.

Adjust the rigging to prevent damage to the chains.



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