

# D10T2

Track Type Tractor (TTT)

Operations & Maintenance  
Supplementary Manual

(Company\*\*\* – Site \*\*\*)

## Issue History

Please ensure that all relevant details are completed before the machine has been commissioned for site use.

Revision	Status	Engineering	Customer
DRAFT	DRAFT - Original Document		-
REV 1	Released to Customer		Sales

Machine Allocation	Site	Fleet Number	Chassis/Serial #
Allocated to Machine			

Machine Site History	Details	Date
Machine Commissioned		

## ISOLATOR – Battery & Starter

DPO: 120060 / EIS Category: ES

### Description

The OEM battery and starter isolators, located near the LHS cab door, are replaced with the LockSafe style red and yellow lockable isolators which are rated to 2000A.

LS13005-01 Battery Isolator Assembly

LS13005-02 Starter Isolator Assembly

### Electrical Schematic

Refer to 'Appendix A' for the Electrical Schematic's 114127-501'.

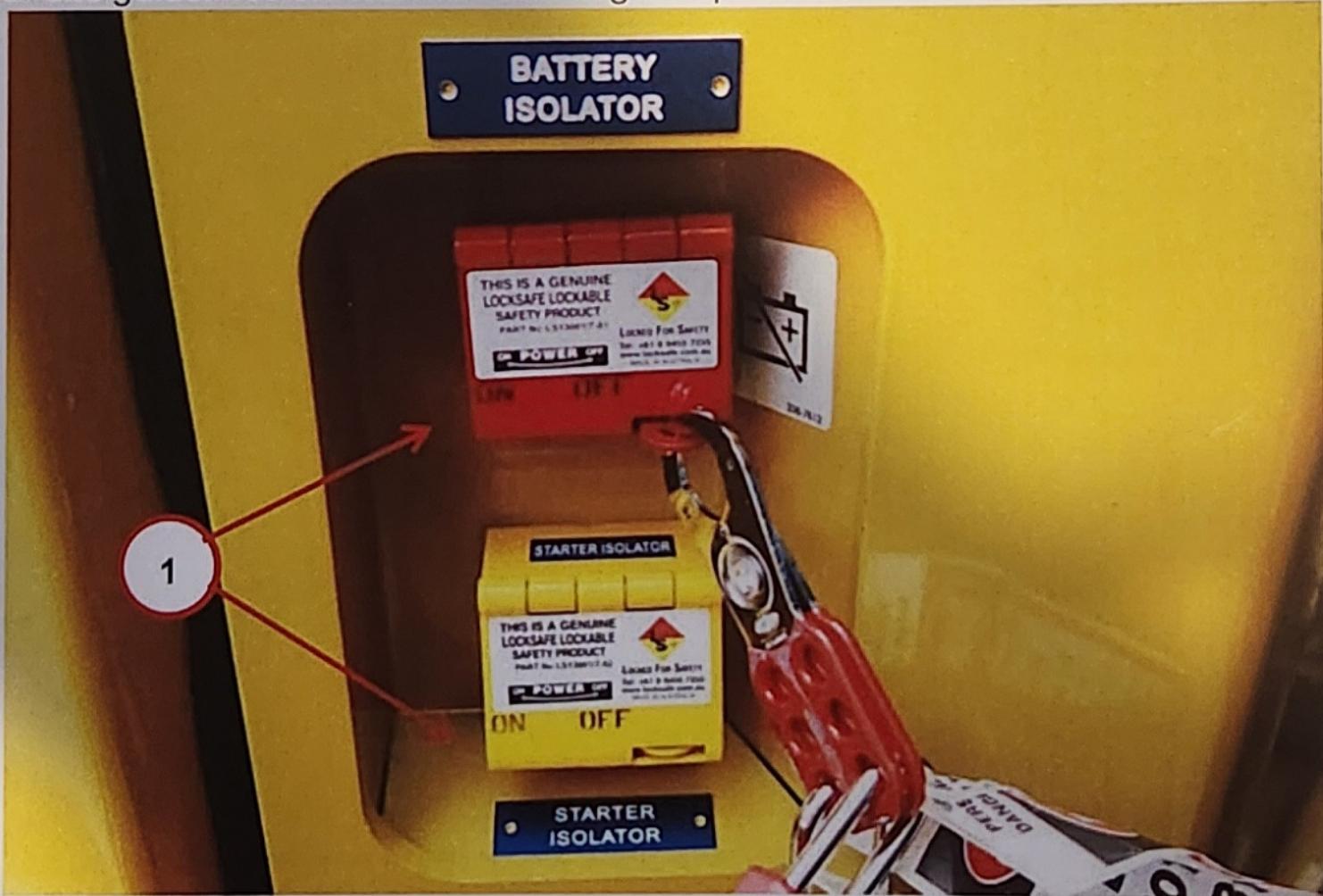
### Safety

Live line indicator is to provide supplementary indicative means only. Operator shall always follow manufacturer's OMM manual to ensure machine is fully isolated. Also, it is recommended to check that the terminals are properly tightened at every maintenance interval.

The battery isolator disconnects the battery from the machine's electrical circuits. When in the OFF position, it completely electrically isolates the machine by disconnecting the primary power source. In the OFF position, the machine cannot be started, nor can any electrical circuit or system be powered. In this configuration, circuits for voice radio communications are disconnected.

The starter isolator disconnects the engine starter circuits from the battery. When in the OFF position, the machine cannot be started. Other electrical circuits—not related to engine starting—remain powered to allow maintenance and to check electrical functionality. In this configuration, circuits for radio communications are powered.

Please see your site guidelines on 'lock-out' and 'tag-out' procedures for machine electrical isolation.



#	Part Description	Part No.	Qty.
1	BATTERY & STARTER ISOLATOR	120060-001	1
-	ELECTRICAL SCHEMATIC (AND BOM)	114127-501	1

### WARNING!

Before starting work on this machine, and for the full duration of the work undertaken, you must electrically isolate the machine by ensuring that either the battery or starter isolator is 'locked out' (locked to OFF) such that the machine cannot be started by other personnel.

Only when you have fully completed a job or task and do not require to further work on the machine should you release your 'lock-out' tag. Always make sure that the area you have been working in has been left safe.

Please see your site specific HSEQ and WHS guidelines on 'lock-out' and 'tag-out' procedures for machine electrical isolation.

## HEAT SHIELD – Temperature Protection for Oil Lines

DPO: 101221 / EIS Category: EN

### Description

The turbocharger has heat shielding applied to the oil lines to provide high thermal resistance to minimise fires caused by oil spills and to contain oil spray in the event of a burst hose.



#	Part Description	Part No.	Qty.
1	TEMPERATURE PROTECTION FOR OIL LINES	32MM	2M
2	STEEL CABLE TIE	888-30418	20

### WARNING!

Whilst on-board or in the vicinity of mobile plant, common hazards which may be encountered are; electrical discharges, fluid leaks, crushing, falling objects from platforms or ore-buckets, sudden pressure release and rapid changes in vehicle movement, operation or direction. All personnel must be vigilant for potential hazards and be wearing the correct personal protective equipment (PPE) at all times.

# Index

- accidents, 6
- alert, 6
- auxiliary start. *See* jump start
- battery
  - short-circuit, 20
- blind spots, 7
- Cat PartStore™, 36
- Caterpillar Operation and Maintenance Manual, 6
- Contact Details, 5
- controls, 6, 7
- Crush Hazards, 7
- cutting
  - trauma, injury, 8
- Danger, Warning & Caution Signs, 7
  - Crush Hazards, 7
  - High Temperature Hazards, 8
  - Stored Energy, 8
- dirt, 32
- DPO List, 37
- electrical charge
  - stored energy, 33
- electrical discharges, 8
- Electrical Systems
  - stored electrical energy, 33
- emergency stop, 33
- engine, 6, 7
- falling objects, 8
- Faults
  - reporting, 9, 32
- fluid leaks, 8
- hazards, 6, 7
  - common, 8
  - crush, 7
  - high temperature, 8
- High Temperature Hazards, 8
- HSEQ, 7
- hydraulic, 7
- injury, 6
- jump start, 6
- lights and lamps
- keep clean, 9, 32
- lock-out, 24
- lubrication, 7
- Machine Specific Safety Information, 7
- maintenance
  - maintenance and Repair Contract, 36
  - routines, 32
- movement
  - vehicle, rapid changes, 8
- moving parts, 8
- NOTICE, 6, 9, 15, 19, 32
- operator and maintenance manual, 3
- Parts
  - re-ordering & contact info, 5
- PPE, 8, 20, 33
- pressure release - sudden, 8
- Reference Section, 36
- risk, 33
- Safety, 3, 5, 6, 7
- Safety Information, 6
  - Basic Safety Rules, 6
- safety legislation, 6
- see and be seen, 9, 32
- Service Information, 32
- Stored Energy, 8
- Supervisor
  - consultation, 8, 33
- tag-out, 24
- tearing
  - trauma, 8
- tools, 6, 20
- trauma, 8
- warning, 6
- WARNING, 6, 8, 9, 14, 24, 25, 26, 27, 30, 33
- Warnings and Notices, 3, 6
- WesTrac Component Exchange, 36
- WesTrac Solutions, 3
  - Contact details
  - Head Office WA, 5
- WHS, 7