SC 5300 SERIES
MAINTENANCE MANUAL



Order Number: 812594-006
Revision: A • Printed in Germany

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Counterweight Removal

1. Move truck to a secure non-traffic maintenance area with a level floor.
2. Lockout or tagout truck described in Lockout - Tagout in this section.
3. Remove battery.
4. Attach a sling and lifting device to all top cross braces of the mast, to prevent tipover.
5. Attach a sling and lifting device to the rear of the overhead guard to support the guard when the guard mounting bolts are removed.

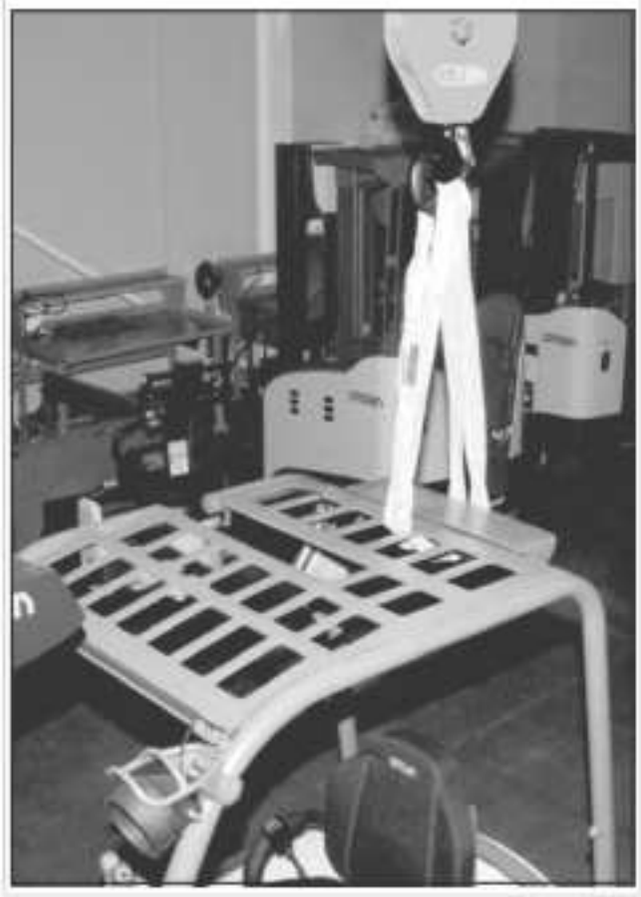


Figure 25379

6. Position a pallet truck or other similar lifting device under the counterweight from the rear of the truck and raise to support the weight of the counterweight when the mounting bolts are removed.



Figure 25380

WARNING

After mounting bolts holding the counterweight to the truck are removed, the counterweight will be balanced on the pallet truck forks. Use extreme care when moving counterweight to maintain balance.

7. Remove counterweight mounting bolts.
8. Carefully move the counterweight away from truck.

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Componentry

The electrical and hydraulic components in this section are listed alphabetically and include the information below:

- Component designator (i.e., ALM2) that is on the wiring diagram, hydraulic schematic, Access 1 2 3® menu and parts pages.
- Description
- Location of the component on the truck
- Purpose of the component
- Technical data
- Adjustments, if applicable
- Wiring diagram or hydraulic schematic page(s) the component appears.
- Parts page that the component appears. One additional number immediately follows the parts page number. This number (in parenthesis) is the index number of the (i.e., 04.0-1153-050 (9)).

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Control Modules

ACCESS 1

Display Control Module

Location: truck dash

Purpose: display pertinent truck information to operator or service technician, allows technician to modify truck settings, calibrate components and troubleshoot. During truck operation ACCESS 1 energises the brake coils, floorboard fan, pressure transducer, steer command encoder, solenoid valve lower (EPV only) and solenoid valve bypass (EPV only).

Data: N/A

Adjustment: if module is replaced, complete truck calibration is recommended to prevent nuisance codes. Also if replacement module includes updated software, the software in the remaining modules must be updated so all software is compatible.

EPV Diagrams: DIA-1153-003
DIA-1153-008

Manual Valve Diagrams: DIA-1153-020
DIA-1153-025

Parts Breakdown: 04.0-1153-001 (7)

ACCESS 2

Hydraulic Control Module

Location: rear truck compartment, controller panel

Purpose: controls the hydraulic system operation except the 2nd accessory solenoid proportional valves (EPV only) and solenoid valve load sense dump (EPV only)

Data: N/A

Adjustment: if module is replaced, complete truck calibration is recommended to prevent nuisance codes. Also if replacement module includes updated software, the software in the remaining modules must be updated so all software is compatible.

EPV Diagrams: DIA-1153-003
DIA-1153-007
DIA-1153-0017

Manual Valve Diagrams: DIA-1153-020
DIA-1153-024
DIA-1153-033

Parts Breakdown: 04.1-1153-050 (2)

ACCESS 3

Traction Control Module

Location: rear truck compartment, controller panel

Purpose: controls the traction system, line contactor, ACCESS 3 cooling fan and travel alarm (option) operation

Data: N/A

Adjustment: if module is replaced, complete truck calibration is recommended to prevent nuisance codes. Also if replacement module includes updated software, the software in the remaining modules must be updated so all software is compatible.

EPV Diagrams: DIA-1153-003
DIA-1153-006
DIA-1153-017

Manual Valve Diagrams: DIA-1153-020
DIA-1153-023
DIA-1153-033

Parts Breakdown: 04.1-1153-050 (26)

ACCESS 7 (EPV Only)

Accessory Control Module

Location: traction motor compartment, mounts above the double accessory manifold

Purpose: during truck operation, ACCESS 7 energises the 2nd accessory solenoid proportional valves and solenoid valve load sense dump

Data: N/A

Adjustment: if module is replaced, complete truck calibration is recommended to prevent nuisance codes. Also if replacement module includes updated software, the software in the remaining modules must be updated so all software is compatible.

Diagrams: DIA-1153-003
DIA-1153-009

Parts Breakdown: 04.0-1153-100 (26)

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