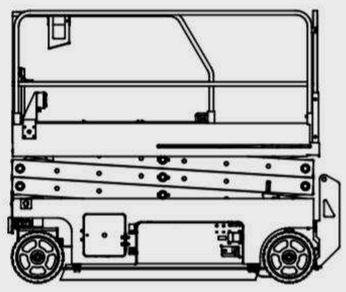
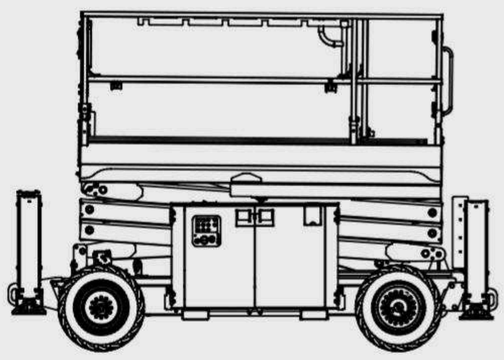
Maintenance Manual - Scissor Lifts

Slab Scissor Lifts



Rough Terrain Scissor Lifts



Refer to the inside cover for a list of models included in this manual.

This manual includes detailed procedures for each maintenance inspection.

For Repair procedures, Fault Codes, Electrical and Hydraulic Schematics, refer to the appropriate Service and Repair Manual for your machine.

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Battery Specifications

GS-1330m	**(standard)**
Voltage	12V DC
Group	24
Type	24TMX
Quantity	2
Battery capacity, maximum	85 AH
Reserve capacity @ 25A rate	140 minutes

GS-1330m	(optional)
Voltage	12V DC
Group	24
Type	DC85-12
Quantity	2
Battery capacity, maximum	85 AH
Reserve capacity @ 25A rate	145 minutes

GS-1530, GS-1532, GS-1930, GS-1932, GS-2032, GS-2632, GS-3232, GS-2046, GS-2646, GS-3246, GS-2646 AV	**(standard)**
Voltage	6V DC
Group	GC2
Type	T-105
Quantity	4
Battery capacity, maximum	225 AH
Reserve capacity @ 25A rate	447 minutes

GS-1530, GS-1532, GS-1930, GS-1932 GS-2032, GS-2632, GS-3232, GS-2046, GS-2646, GS-3246, GS-2646 AV	**(optional)**
Voltage	6V DC
Group	GC2
Type	6V-AGM
Quantity	4
Battery capacity, maximum	200 AH
Reserve capacity @ 25A rate	380 minutes

Note: When upgrading from standard to AGM batteries the machine software must be configured for AGM batteries. Refer to Repair Procedure, *Machine Setup* in the Service and Repair Manual.

GS-4047, GS-4655	**(standard)**
Voltage	12V DC
Group	GC2
Type	T-1275
Quantity	4
Battery capacity, maximum	150 AH
Reserve capacity @ 25A rate	280 minutes

GS-2669, GS-3369, GS-4069 (DC and BE models)	**(standard)**
Voltage	6V DC
Group	GC2
Type	T-105
Quantity	8
Battery capacity, maximum	225 AH
Reserve capacity @ 25A rate	447 minutes

GS-2669, GS-3369, GS-4069 (DC models)	**(optional)**
Voltage	6V DC
Group	902
Type	J305GH
Quantity	8
Battery capacity, maximum	315 AH
Reserve capacity @ 25A rate	678 minutes

GS-2669, GS-3369, GS-4069 (BE models)	**(optional)**
Voltage	6V DC
Group	GC2
Type	T145
Quantity	8
Battery capacity, maximum	260 AH
Reserve capacity @ 25A rate	530 minutes

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Quarterly Maintenance Procedures

Q-5
Inspect the Electrical Wiring



Genie specifications require that this procedure be performed quarterly.

Maintaining electrical wiring in good condition is essential to safe operation and good machine performance. Failure to find and replace burnt, chafed, corroded or pinched wires could result in unsafe operating conditions and may cause component damage.

⚠WARNING Electrocution/burn hazard. Contact with electrically charged circuits could result in death or serious injury. Remove all rings, watches and other jewelry.

1 Inspect the following areas for burnt, chafed, corroded pinched and loose wires:

Note: Inspection areas will vary by model.

- All wire harness connectors to ground control box
- Ground control panel
- Hydraulic power unit module tray
- Hydraulic tray
- Engine tray
- Engine wiring harness
- Generator cable
- Battery tray(s)
- Battery charger
- Scissor arms
- All wire harness connectors to platform control box
- ECM (GCON) to platform controls (PCON)
- Platform controls
- Power to platform wiring
- Harness connections
- Hydraulic manifold wiring
- Contactor
- Limit switches

2 Inspect for a lite, even coating of dielectric grease on all harness connections.

Note: Do not apply excessive amounts of dielectric grease to harness connectors, pins or sockets.

Note: Do not apply dielectric grease to a engine ECU/ECM or engine harness connectors.

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13 Place the hub on a flat surface and gently pry the bearing seal out of the hub. Remove the rear bearing.

14 Pack both bearings with clean, fresh grease.

15 Place the large inner bearing into the rear of the hub.

16 Install a new bearing grease seal into the hub by pressing it evenly into the hub until it is flush.

17 Slide the hub onto the yoke spindle.

NOTICE Component damage hazard. Do not apply excessive force or damage to the lip of the seal may occur.

18 Place the outer bearing into the hub.

19 Install the spindle washer, thrust washer and castle nut.

20 Tighten the slotted nut to 150 ft-lbs / 203 Nm to seat the bearings.

21 Fully loosen the castle nut and re-tighten to 35 ft-lbs / 48 Nm.

22 Install a new cotter pin. Bend the cotter pin to lock it in place.

Note: Always use a new cotter pin when installing a castle nut.

23 Install the dust cap.

P2-6
Test or Replace the Hydraulic Oil



Genie requires that this procedure be performed every 2000 hours.

Replacement or testing of the hydraulic oil is essential for good machine performance and service life. Dirty oil and a clogged suction strainer or hydraulic filters may cause the machine to perform poorly and continued use may cause component damage. Extremely dirty conditions may require oil changes to be performed more frequently.

Note: Before replacing the hydraulic oil, the oil may be tested by an oil distributor for specific levels of contamination to verify that changing the oil is necessary. If the hydraulic oil is not replaced at the 2000 hour inspection, test the oil quarterly. Replace the oil when it fails the test.

Note: When removing a hose assembly or fitting, the O-ring (if equipped) on the fitting and/or hose end must be replaced. All connections must be torqued to specification during installation. Refer to Specifications, *Hydraulic Hose and Fitting Torque Specifications*.

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