An Oshkosh Corporation Company

Service and Maintenance Manual

Model

H340AJ

3121634

February 08, 2019 - Rev E

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Table 3-3. Swing Motor Troubleshooting

Trouble	Cause	Remedy
Oil Leakage	1. Hose fittings loose, worn or damaged.	Check & replace damaged fittings or "O" Rings. Torque to manufacturers specifications.
	2. Oil seal rings (4) deteriorated by excess heat.	Replace oil seal rings by disassembling unit.
	3. Special bolt (1, 1A, 1B or 1C) loose or its sealing area deteriorated by corrosion.	(a) Loosen then tighten single bolt to torque specification. (b) Replace bolt.
	4. Internal shaft seal (16) worn or damaged.	Replace seal. Disassembly of motor unit necessary.
	5. Worn coupling shaft (12) and internal seal (16).	Replace coupling shaft and seal by disassembling unit.
Significant loss of speed under load	1. Lack of sufficient oil supply	(a) Check for faulty relief valve and adjust or replace as required. (b) Check for and repair worn pump. (c) Check for and use correct oil for temperature of operation.
		Replace worn rotor set by disassembling unit.
	2. High internal motor leakage	Replace rotor set, drive link and coupling shaft by disassembling unit.
	3. Severely worn or damaged internal splines.	Locate excessive heat source (usually a restriction) in the system and correct the condition.
	4. Excessive heat.	
Low mechanical efficiency or undue high pressure required to operate unit	1. Line blockage	Locate blockage source and repair or replace.
	2. Internal interference	Disassemble unit, identify and remedy cause and repair, replacing parts as necessary.
	3. Lack of pumping pressure	Check for and repair worn pump.
	4. Excessive binding or loading in system external to motor unit.	Locate source and eliminate cause.

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12. Use the analyzer keys to select N for no or Y for yes. Press ENTER. The control system will default to an estimate of unrestricted capacity, which can be adjusted if necessary. Refer to Table 6-14, SkyGlazier Capacity Reductions and Table 6-15, Pipe Rack Capacity Reductions.

The screen will read:



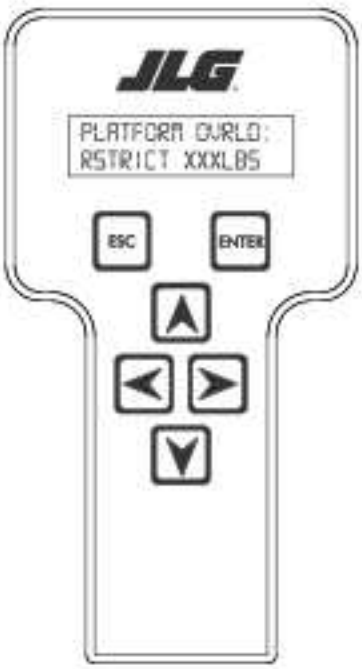
Table 6-14. SkyGlazier Capacity Reductions

Capacity	PLATFORM OVRLD	PLATFORM OVRLD RESTRICT
500 lb (227 kg)	400 lb (181 kg)	n/a
550 lb (250 kg)	400 lb (181 kg)	n/a
600 lb (272 kg)	400 lb (181 kg)	n/a
750 lb (340 kg)	n/a	590 lb (268 kg)
1000 lb (454 kg)	n/a	750 lb (340 kg)
Note: If both SkyGlazier and Pipe Racks are configured, capacity will be the lower of the two values.		

Table 6-15. Pipe Rack Capacity Reductions

Capacity	PLATFORM OVRLD	PLATFORM OVRLD RESTRICT
500 lb (227 kg)	400 lb (181 kg)	n/a
550 lb (250 kg)	450 lb (204 kg)	n/a
600 lb (272 kg)	500 lb (227 kg)	n/a
750 lb (340 kg)	n/a	650 lb (295 kg)
1000 lb (454 kg)	n/a	900 lb (408 kg)
Note: If both SkyGlazier and Pipe Racks are configured, capacity will be the lower of the two values.		

13. Press ENTER. The following screen will be displayed for restricted capacity, which can be adjusted if necessary. Refer to Table 6-14, SkyGlazier Capacity Reductions and Table 6-15, Pipe Rack Capacity Reductions.



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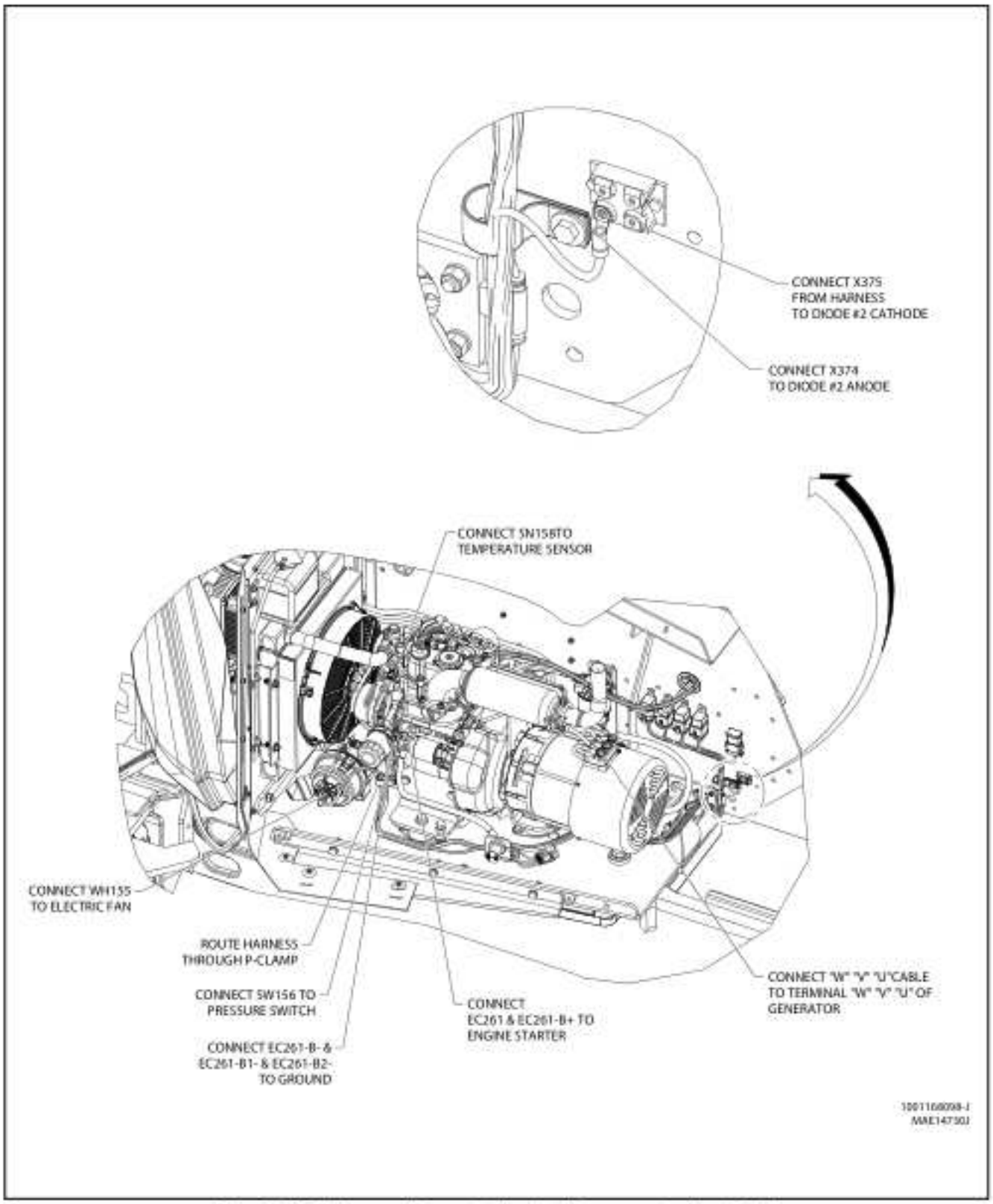
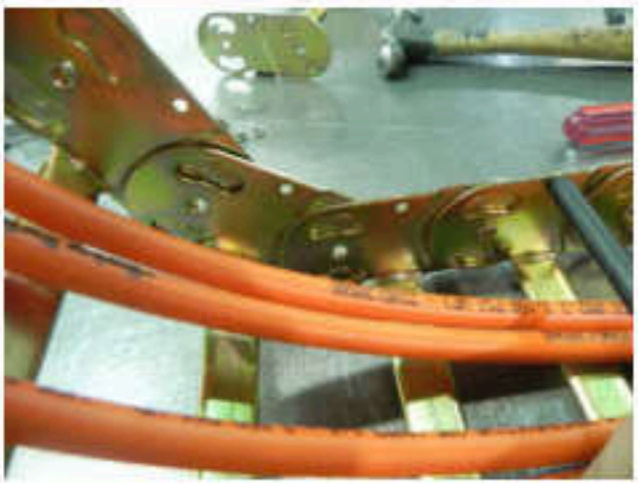


Figure 7-42. Engine and Generator Electrical Components - Sheet 2 of 4

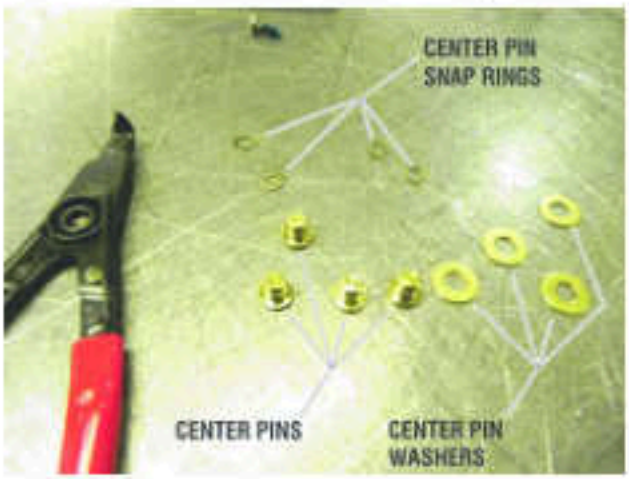
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4. Pull moving end over track so new connection is positioned in curve of powertrack. Round half-shears will rotate into cut-outs.





5. Parts shown below connect new link to powertrack.



6. Push pin through center hole then slide washer on pin.





7. Install snap ring in groove on pin. Repeat pin installation steps for all center holes with rivets removed.

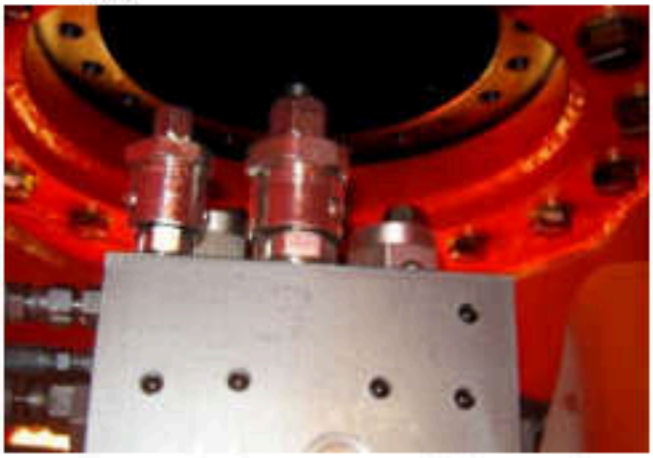


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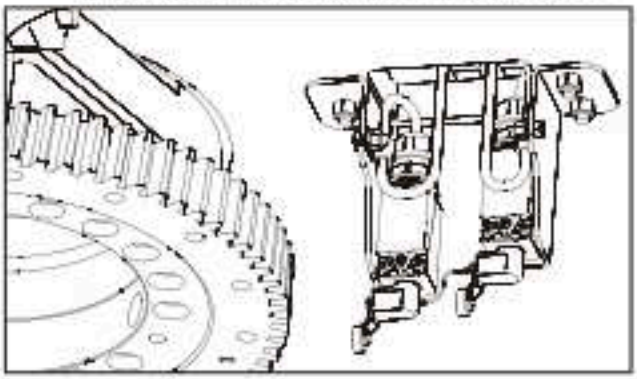
5. Loosen and remove all but a few of the bolts securing the turntable to the swing bearing.



6. Place a drain pan under the flow divider valve to catch any escaping hydraulic oil. Tag and disconnect the hoses from the flow divider valve that go up through the turntable. Cap or plug all openings so no dirt enters the system.

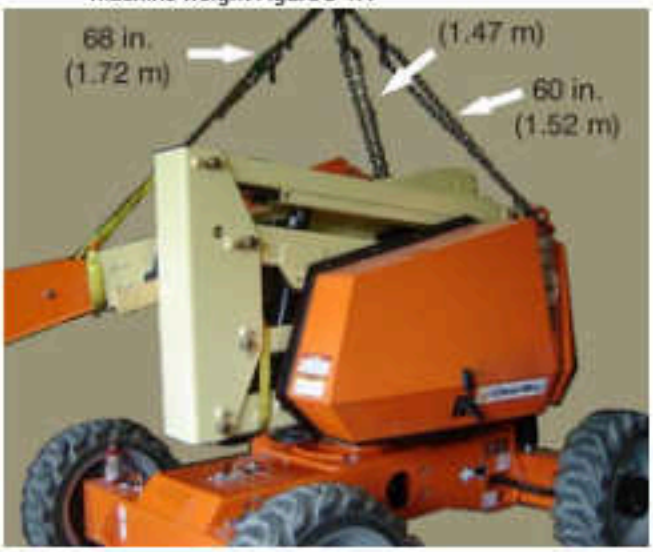


7. Remove the drive orientation and lockout switches so they don't get broken during the removal procedure.



8. Swing the engine tray back into position and secure it in place with the retaining bolt.

9. Attach chains and slings to support the upperstructure. Begin with the chain at the approximate lengths as shown below and adjust as necessary to maintain the turntable in a level position during lifting. For gross machine weight Figure 3-17.



10. Remove the remaining turntable bolts that were left in place earlier in the procedure.

11. Disconnect all cables or harnesses routed through the bearing on the chassis to turntables.

12. Lift the turntable off of the bearing and place it out of the way on adequate blocking.



13. Remove the bolts securing the bearing to the frame. It may be necessary to disconnect more hoses on the flow divider valve. If so, tag and disconnect all hoses and cap or plug all openings to prevent dirt from entering the hydraulic system.

NOTE: *The swing bearing assembly weighs approximately 125 lbs. (56.6 kg).*

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