An Oshkosh Corporation Company

Service and Maintenance Manual

Models
400S HC3
460SJ HC3

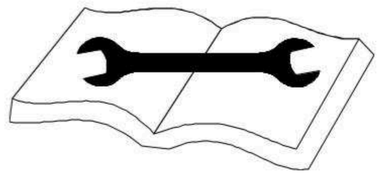
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Fault group	Fault no. (in SERDIA)	Fault locality/ Fault description	SPN	FMI	Cause	Remarks	Help
Functional fault warning	30	Oil pressure warning	100	1	Oil pressure below speed-dependent warning line characteristic	Fault message (disappears when oil pressure is again above recovery limit). After a delay time - fill limitation.	Check engine (oil level, oil pump). Check oil pressure sensor and cable. Check oil pressure warning line characteristic.
	31	Coolant temperature warning	110	0	Coolant temperature has exceeded warning level.	Fault message (disappears when coolant temperature again drops below recovery level). After a delay time - fill limitation.	Check coolant. Check coolant temperature sensor and cable.
	32	Charge air temperature warning	105	0	Charge air temperature has exceeded warning level.	Fault message (disappears when charge air temperature gain drops below recovery level). After a delay time - fill limitation.	Check charge air. Check charge air-temperature sensor and cable.
	34	Coolant level warning	111	1	Switch input "Low coolant level" is active.	Fault message.	Check coolant level. Check coolant level sensor and cable.
	35	Speed warning (with thrust mode operation).	SID 190	14	revolutions was/is above (top) revolution speed limit. "Thrust mode" function is active.		Check parameters. Check speed settings.
					Check PID setting. Check rods. Check actuator and replace if required. Check cable to actuator. Check speed sensor (impulses on incorrect speed). Check No. of teeth. For vehicles check for possible thrust mode.		
	36	Fuel temperature warning	174	0	Fuel-temperature has exceeded warning level.	Fault message (disappears when fuel temperature again drops below recovery level).	Check fuel. Check fuel temperature sensor and cable.

NOTE: SID is equal to 512. To get SPN #, add 512 + number. For example, SID 254 would be 512+254 or an SPN of 766.

Figure 3-133. EMR2 Fault Codes - Sheet 2 of 5

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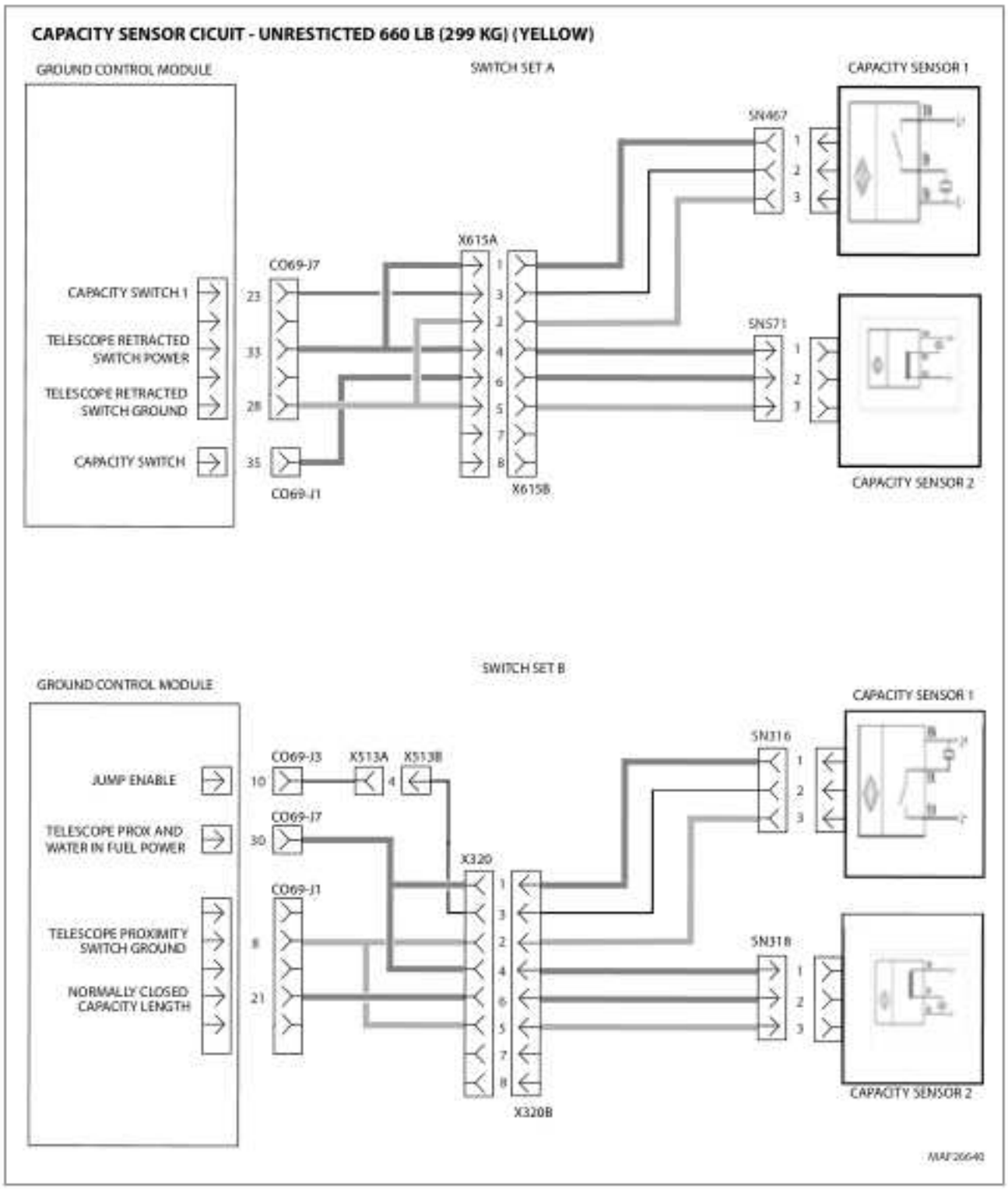


Figure 4-5. Capacity Sensors Circuit - Unresticted 660 lb (299 kg) (Yellow)

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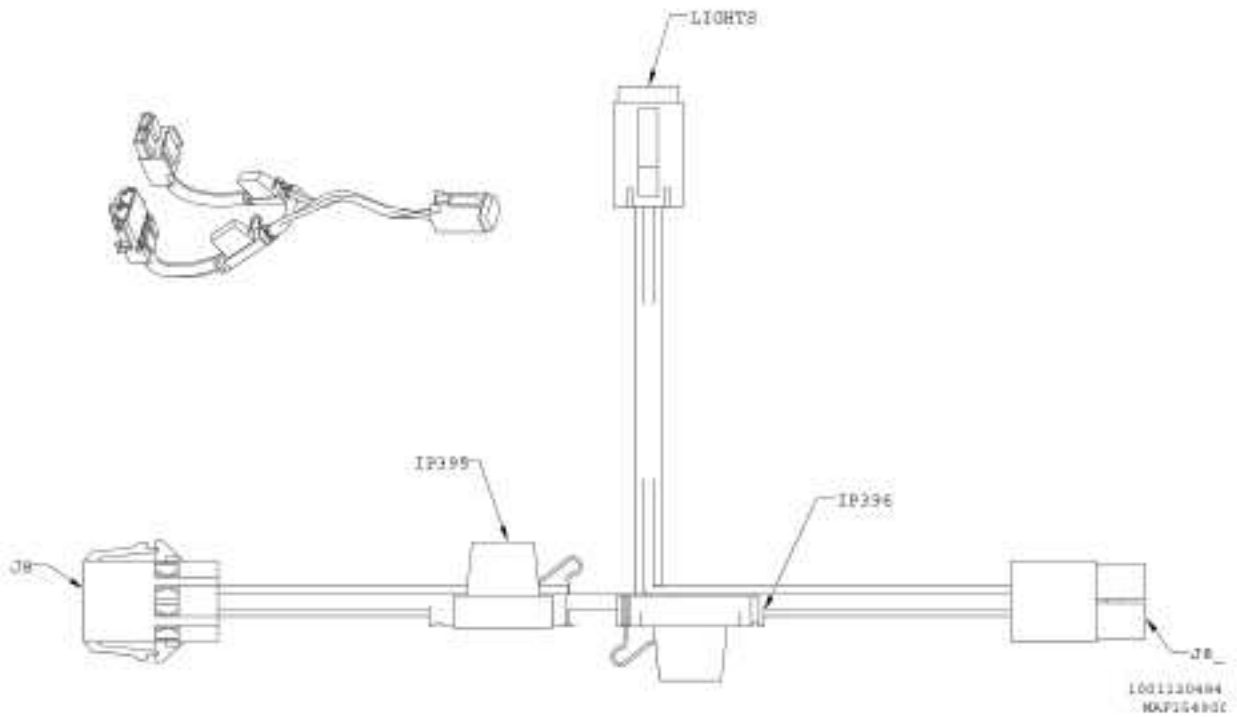


Figure 7-56. Platform Work Lights Harness

JB_1					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	BLK		12 AWG	GXL	JB (1)
1	BLK		16 AWG	GXL	LIGHTS (1)
3	YEL/RED		12 AWG	GXL	JB (2)
4		SEE NOTE			IP396 (2)

IP396					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1		SEE NOTE			LIGHTS (4)
2		SEE NOTE			JB_1 (2)

LIGHTS					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	BLK		16 AWG	GXL	JB (1)
2		SEE NOTE			IP395 (1)
3	BLK		16 AWG	GXL	JB_1 (1)
4		SEE NOTE			IP396 (1)

IP395					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1		SEE NOTE			LIGHTS (2)
2		SEE NOTE			JB (2)

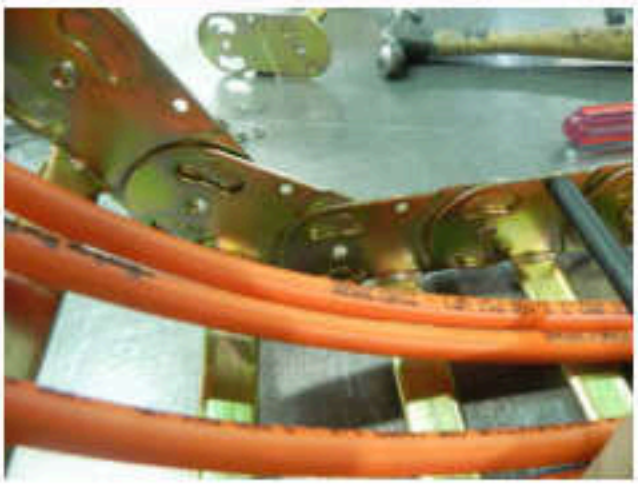
JB					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	BLK		12 AWG	GXL	JB_1 (1)
1	BLK		16 AWG	GXL	LIGHTS (1)
3	YEL/RED		12 AWG	GXL	JB_1 (2)
4		SEE NOTE			IP395 (2)

NOTE: *The wire reference is part of fuse holder.*

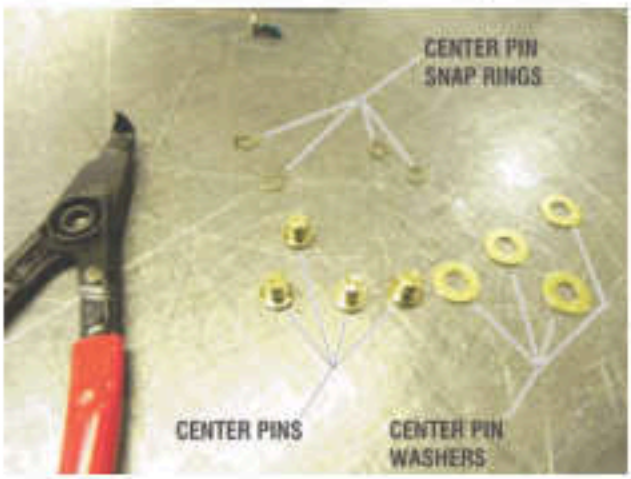
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4. Pull moving end over track so new connection is positioned in curve of powertrack. Round half-shears will rotate into cut-outs.





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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1. Set the unit on a bench so that the Spindle (1A) flange is down.

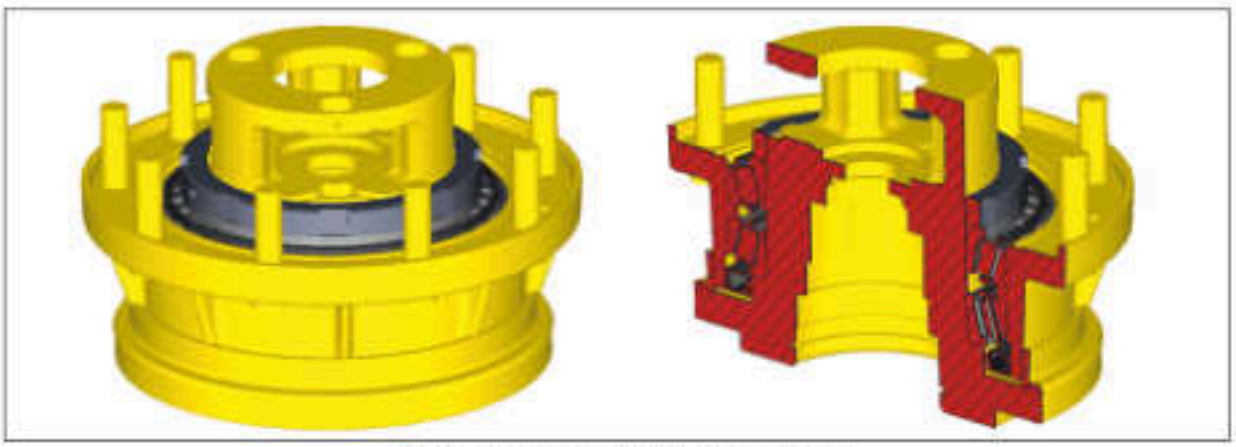
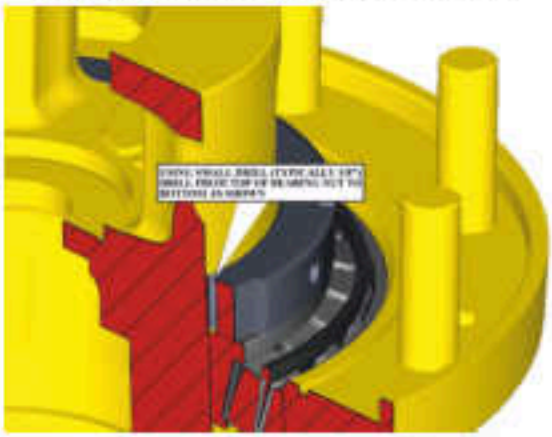
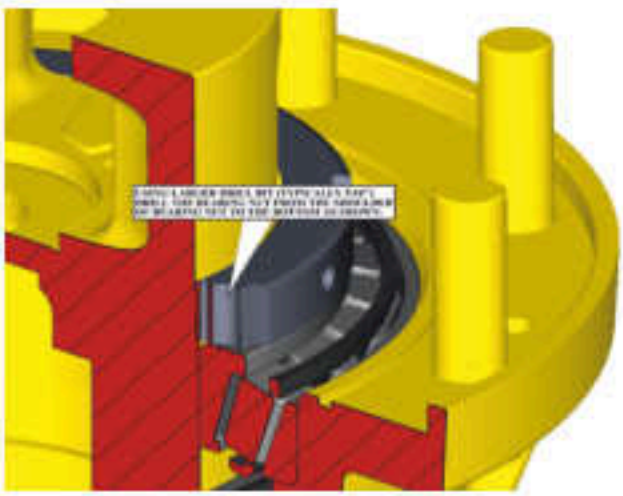


Figure 3-20. Housing Spindle Cross Section

2. Using a small drill bit (typically 1/8"), drill from the top of the bearing nut to the bottom as shown below.

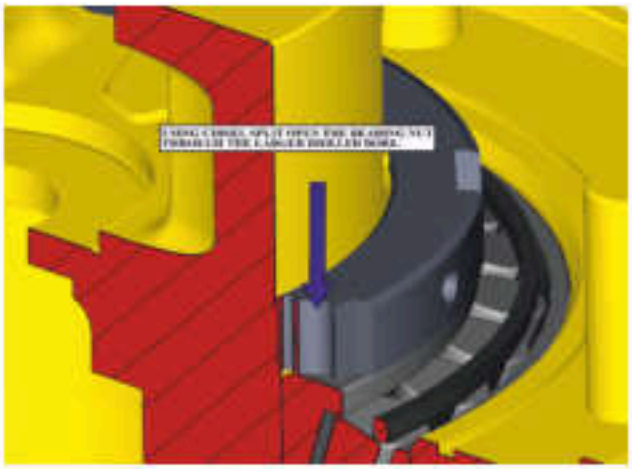


3. Using a larger drill bit (typically 5/16"), drill the bearing nut from the shoulder of the bearing nut to the bottom as shown below.



4. Using a chisel, split open the bearing nut through the larger drilled bore as shown below.

NOTE: *The holes in the Bearing Nut (1F) for the Set Screws (1G) were staked for retention of the Set Screws (1G). The holes will need to be cleaned up prior to removing the Set Screws.*



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