An Oshkosh Corporation Company

Service and Maintenance Manual

Model
H800AJ

PVC 2007

31217194

July 16, 2020 - Rev A

ANSI

CE

AS/NZS

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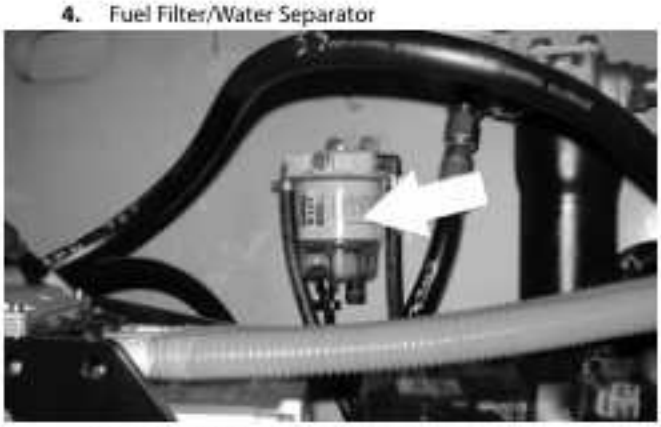
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4. Fuel Filter/Water Separator



Lube Point(s) - Replaceable Element
Interval - Drain water daily; Change every year or 600hours of operation.

5. Fuel Strainer



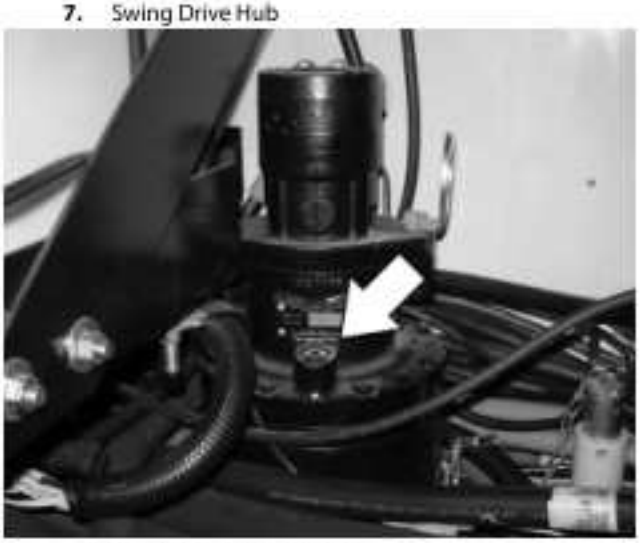
Lube Point(s) - Replaceable Element
Interval - Change every year or 600 hours of operation.

6. Radiator



Lube Point(s) - Fill Cap
Lube - Anti-Freeze Coolant (Fleet Charge A/F 50/50 or equivalent)
Capacity - 6 qt. (5.7 L)
Interval - Check coolant level daily. Ensure it is between the "FULL" and "LOW" lines. If coolant level is low, allow fluid to cool, then add as required.

7. Swing Drive Hub



Lube Point(s) - Level/Fill Plug
Capacity - 43 oz. (1.3 L)
Lube - 90w80 Gear Oil
Interval - Check level every 3 months or 150 hrs of operation; change every 2 years or 1200 hours of operation.

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Fault- logic Trouble Shooting

Match the transmission symptoms with the problem statements and follow the action steps shown in the box diagrams. This will give expedient aid in correcting minor problems eliminating unnecessary machine down time.

Following the fault - logic diagrams are diagram action comments of the action steps shown in the diagrams. Where applicable, the comment number of the statement appears in the action block of the diagrams.

RECOMMENDED GAUGE LOCATIONS

Gauges Recommended

Inlet vacuum gauge: 30 PSI to 14.8 PSI (2 bar to 1 bar)

System pressure gauge: 10,000 PSI (700 bar)

Charge pressure gauge: 0 to 600 PSI (0 to 50 bar)

Case pressure gauge: 0 to 300 PSI (0 to 25 bar)

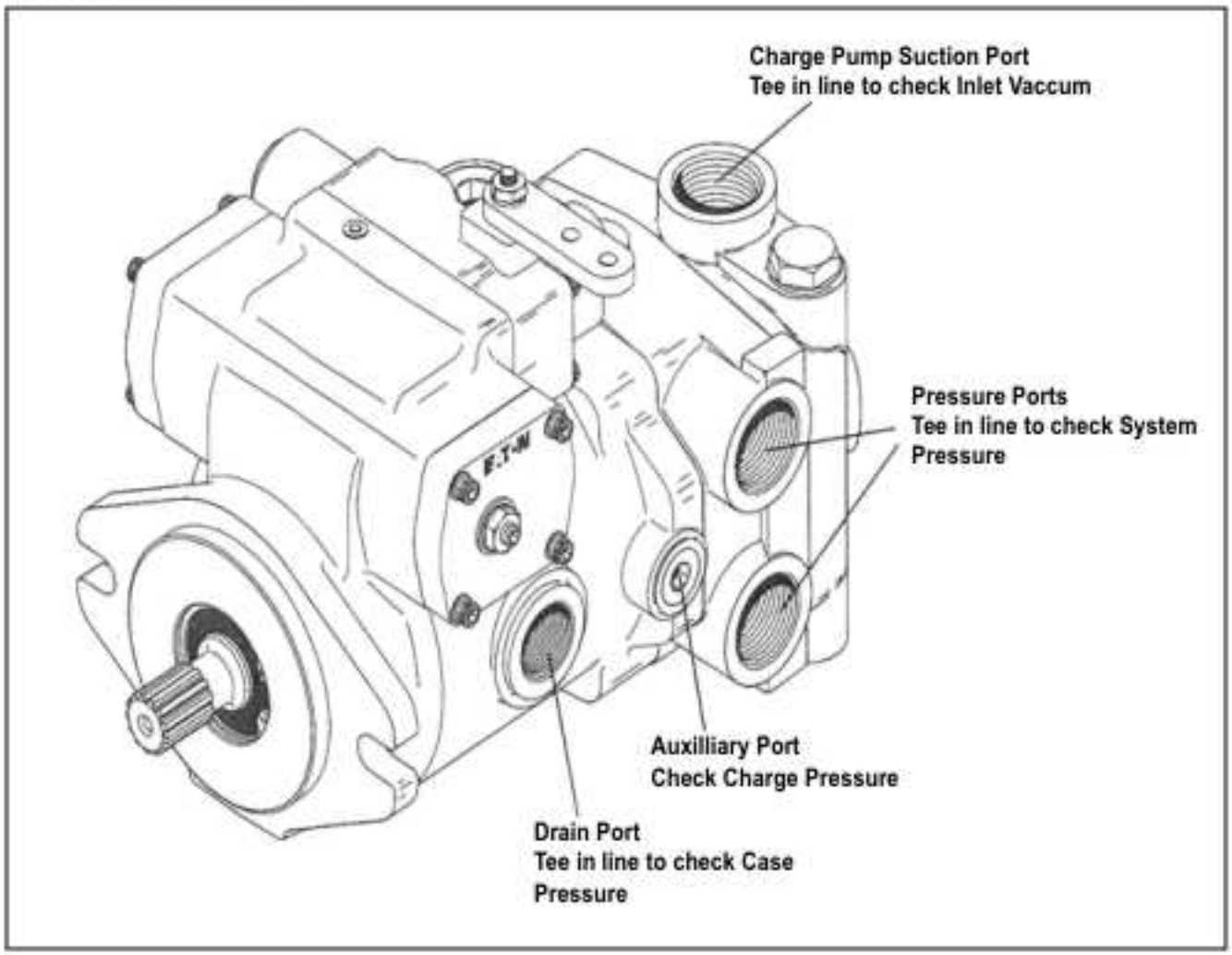


Figure 5-121. Gauge Locations

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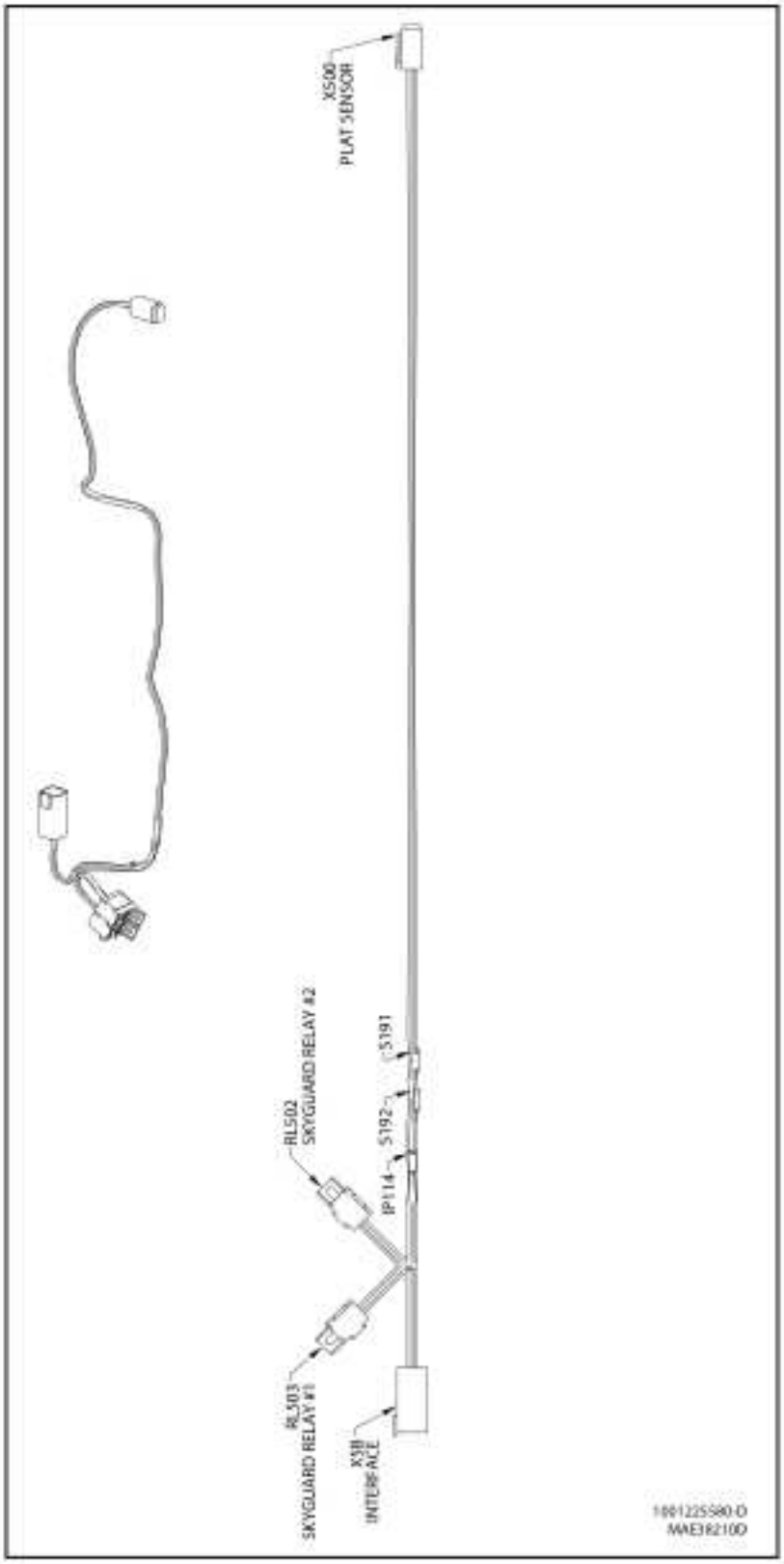


Figure 7-110. Skyguard Harness

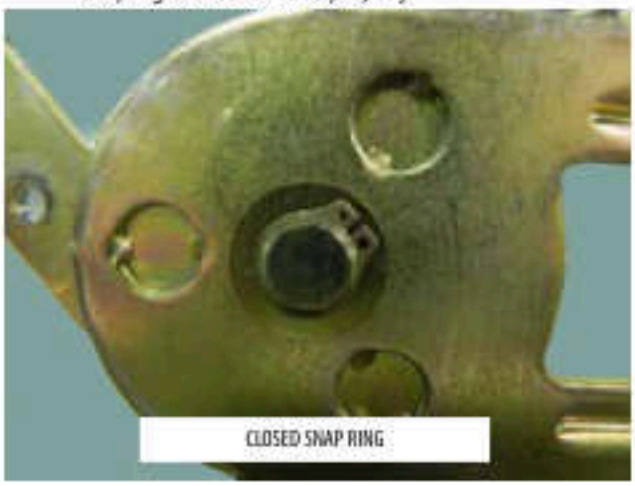
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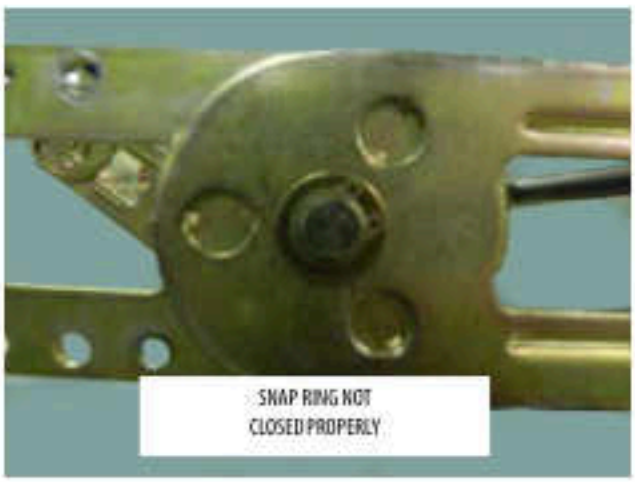
5. Install the pin into the center hole, then slide the washer over the pin. Install the snap ring into the groove in the pin.





NOTE: *When installing snap rings make sure they are seated in the pin groove and closed properly.*





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WH245 ENG FAN					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	BLK	0-14-9	10AWG	GXL	X247(1)
2	WHT	49-26 ENG FAN	10AWG	GXL	X466(1)

SN215 ENG SPD SNSR					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	YEL	2-16-1	18AWG	TXL	X465(R)
2	WHT	48-21 ENG SPD SNSR	18AWG	TXL	X465(S)
3	BLK	0-16	18AWG	TXL	X465(T)

X223 PROP FUEL RACK ACT					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	WHT	60-5 THROTTLE RTN	18AWG	GXL	X465(N)
2	WHT	48-13 THR ACT	18AWG	GXL	X465(P)

X247 TO GROUND					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	BLK	0-14-9	10AWG	GXL	WH245(1)

X327 TO GROUND					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	BLK	0-27	16AWG	GXL	X465(O)

EC193 GLOW PLUGS					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	WHT	48-23GLOW	10AWG	GXL	X466(3)

SW196 OIL PRS SNSR					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	WHT	48-20 OIL PRS	18AWG	GXL	X465(V)

EC194 ALTERNATOR					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1					
2	WHT	48-16 ALT EXC	18AWG	GXL	X465(Q)
3					

SN197 COOL TEMP SNSR					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	WHT	48-19 TEMP SNSR	18AWG	GXL	X465(W)
2	BLK	0-19	18AWG	GXL	X465(X)

HV325 DRV FWD					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	WHT	25-1 DRV FWD	18AWG	GXL	X465(C)
2	WHT	60-4-1 DRIVE RTN	18AWG	GXL	S214(1)

HV326 DRV REV					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	WHT	25-2DRVREV	18AWG	GXL	X465(B)
2	WHT	60-4-2DRIVERTN	18AWG	GXL	S214(1)

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