Service Manual

Models
G10-55A
G12-55A

3126019

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An Oshkosh Corporation Company

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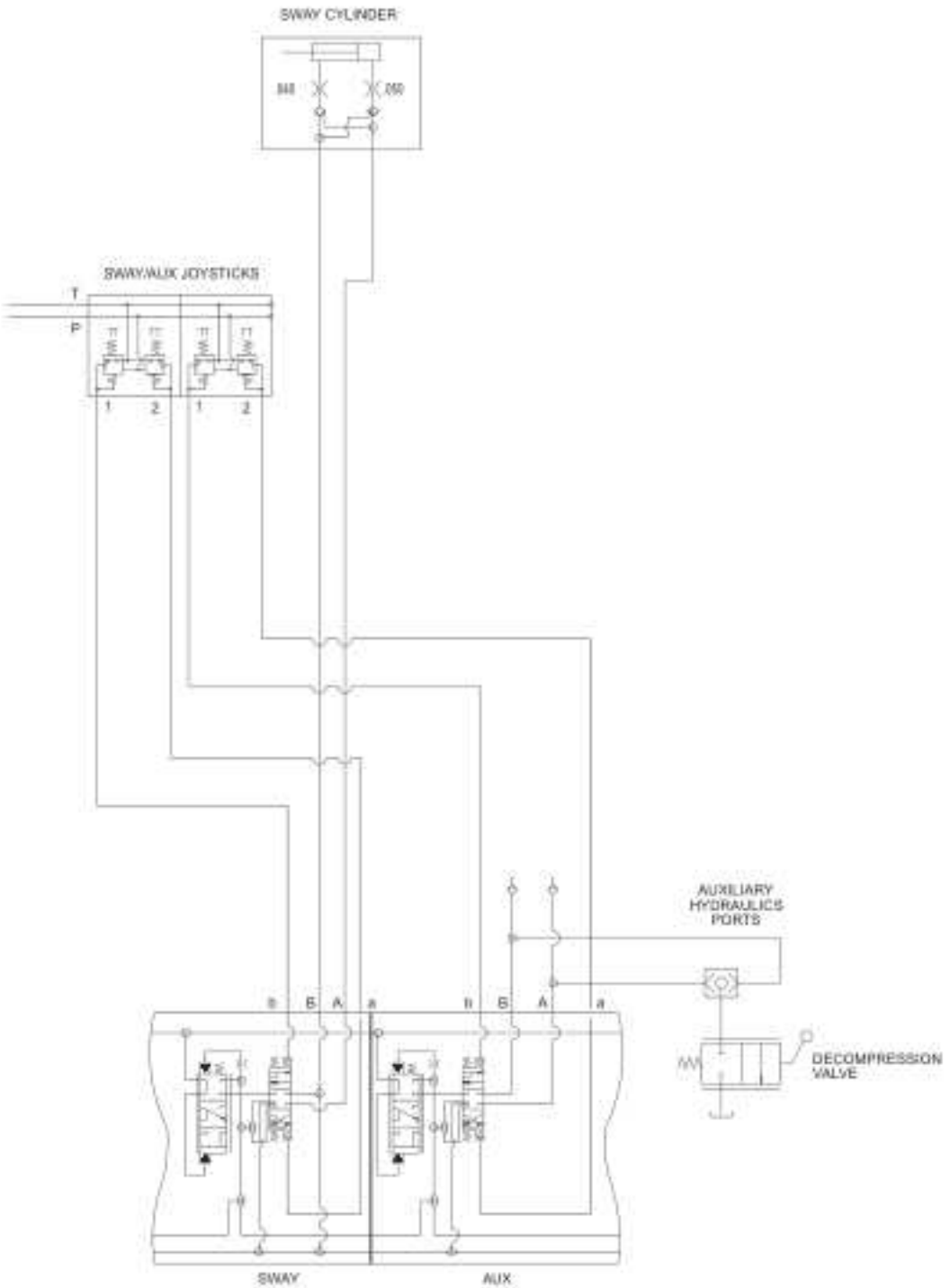
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8.4.3 Hydraulic Schematic (Continued)



AUXILIARY HYDRAULICS OPTION

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8.8.5 Cylinder Torque Specifications

a. Lift/Lower Cylinder

	Head	Nut	CB Valve	CB Cap Screw
G10-55A - Before S/N 0160033659 excluding 0160033452	550-600 lb-ft (745-813 Nm)	2125-2175 lb-ft (2881-2949 Nm)	45-50 lb-ft (54-61 Nm)	28-30 lb-ft (38-41 Nm)
G10-55A - S/N 0160033659 thru 0160035822 including 0160033452		1600-2000 lb-ft (2169-2711 Nm)	30-35 lb-ft (40-47 Nm)	24-27 lb-ft (32-36 Nm)
G10-55A - S/N 0160035822 & After	755-923 lb-ft (1024-1251 Nm)	1600-2000 lb-ft (2169-2711 Nm)	30-35 lb-ft (40-47 Nm)	24-27 lb-ft (32-36 Nm)
G12-55A - Before S/N 0160033659 excluding 0160033452	550-600 lb-ft (745-813 Nm)	2850-2900 lb-ft (3864-3932 Nm)	45-50 lb-ft (54-61 Nm)	28-30 lb-ft (38-41 Nm)
G12-55A - S/N 0160033659 thru 0160035879 including 0160033452		1600-2000 lb-ft (2169-2711 Nm)	45-50 lb-ft (54-61 Nm)	24-27 lb-ft (32-36 Nm)
G12-55A - S/N 0160035879 & After	755-923 lb-ft (1024-1251 Nm)	1600-2000 lb-ft (2169-2711 Nm)	45-50 lb-ft (54-61 Nm)	24-27 lb-ft (32-36 Nm)

b. Extend/Retract Cylinder

	Head	Nut	CB Valve (Large)	CB Valve (Small)
G10-55A - Before S/N 0160033661	500-550 lb-ft (678-745 Nm)	1325-1375 lb-ft (1796-1864 Nm)	110 lb-ft (149 Nm)	35 lb-ft (47 Nm)
G10-55A - S/N 0160033661 thru 0160035822		1400-1700 lb-ft (1796-1864 Nm)	110 lb-ft (149 Nm)	33 lb-ft (44 Nm)
G10-55A - S/N 0160035822 & After		1400-1700 lb-ft (1796-1864 Nm)	110 lb-ft (149 Nm)	33 lb-ft (44 Nm)
G12-55A - Before S/N 0160033659 excluding 0160033452	500-550 lb-ft (678-745 Nm)	1325-1375 lb-ft (1796-1864 Nm)	110 lb-ft (149 Nm)	35 lb-ft (47 Nm)
G12-55A - S/N 0160033659 thru 0160035879 including 0160033452		1400-1700 lb-ft (1796-1864 Nm)	110 lb-ft (149 Nm)	33 lb-ft (44 Nm)
G12-55A - S/N 0160035879 & After		1400-1700 lb-ft (1796-1864 Nm)	110 lb-ft (149 Nm)	33 lb-ft (44 Nm)

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9.13 TROUBLESHOOTING - JOHN DEERE

9.13.1 Engine Fault Codes Retrieval

1. Park the machine on a firm, level surface, level the machine, fully retract the boom, lower the boom, place the transmission control lever in (N) NEUTRAL and engage the park brake.
2. Turn the ignition switch to "ON".
3. Push down and hold the Reset button on the dash for 3-5 seconds. The fault lamp will begin to flash a code number.
   The light will flash the first digit then pause for a short time and then flash the second digit. If there are "active" codes, the system will first flash code 32. If there are no "active" codes, the system will flash code 88. The system will then flash code 33 if there are any "stored" fault codes. If there are no "stored" codes, the system will flash code 88.
4. Once the code is retrieved, turn the ignition OFF.

Note: *When the engine sensor inputs exceed normal operating ranges, the ECU will derate the amount of fuel that is delivered to the engine. A fault code will always accompany a fuel derate. If the engine is running at a much lower rate, check the fault codes first to see if the engine is experiencing an internal problem.*

9.13.2 Engine Fault Codes Chart

Fault Codes	SPN Codes	FMI Codes	Definition
11	N/A	N/A	Analog Throttle (A) Input High
12	N/A	N/A	Analog Throttle (B) Input High
18	110	3	Engine Coolant Temperature Input Voltage High
19	110	4	Engine Coolant Temperature Input Voltage Low
21	620	3	Sensor Supply Voltage High
	1079	3	Sensor Supply Voltage High
22	620	4	Sensor Supply Voltage Low
	1079	4	Sensor Supply Voltage Low
23	100	3	Engine Oil Pressure Input Voltage High
24	100	4	Engine Oil Pressure Input Voltage Low
25	105	3	Manifold Air Temperature Input Voltage High
26	105	4	Manifold Air Temperature Input Voltage Low
28	629	13	ECU Error
32	N/A	N/A	Signifies Start of Active Fault Codes
33	N/A	N/A	Signifies Start of Previously Active Fault Codes
37	174	3	Fuel Temperature Input Voltage High
38	174	4	Fuel Temperature Input Voltage Low
39	637	2	Crank Position Input Noise

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