

ELECTRICAL SYSTEMS - 55
[55.100] Harnesses and connectors - 55.4
Wire harnesses

Patriot[®] 3240
Patriot[®] 3340
Tier 4B (final)
Sprayer
PIN YGT044001 and above

SERVICE MANUAL

Part number 48049035
1st edition English
October 2016

CASE III
AGRICULTURE

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

Harnesses and connectors - Electrical schematic sheet 07 - Power distribution fuses 22-28

Item	Description
1	Accessory 3
2	Fuse panel 1
3	Electronic Control Unit (ECU)
4	Park brake / reverse
5	Fender power port
6	C / F convert
7	Heating Ventilation Air Conditioning (HVAC) module ATC
8	HVAC micro B+
9	Air conditioning control

Harnesses and connectors - Electrical schematic sheet 12 - Master power switch

Item	Description
1	Master power
2	Relay panel 6
3	Switched power
4	Spreadhold

Harnesses and connectors - Electrical schematic sheet 17 - Keyed power and clean ground

Item	Description
1	Isolation #20-1451T1 inside cab
2	Ignition

**Harnesses and connectors - Electrical schematic sheet 22 - TIER 4B
engine external fuse box**

Item	Description
1	External fuse relays
2	To product chassis harness
3	Power interface
4	Power interface AIM Flex
5	To engine Electronic Control Module (ECM)
6	Relay pin 86 is to be ground side of coil. This is so diode suppressed relays will work properly.
7	Electronic Control Module (ECM)
8	Power 9 spare
9	Power 8
10	Power 7
11	Power 6
12	K5
13	K4
14	Exhaust flap
15	Auxiliary power sensors
16	Auxiliary power 24 V
17	Auxiliary supply
18	Switched power out
19	Switched power

Harnesses and connectors - Electrical schematic sheet 33 - Lockout, Forward Neutral Reverse (FNR) control interface

Item	Description
1	Remote lockout
2	Park brake control
3	Relay panel 3
4	Reverse enable
5	Relay panel 4
6	Rexroth interface
7	Motor enable
8	Motor forward / reverse
9	Forward in
10	Reverse in
11	Control interface 1
12	Accessory power
13	Ground
14	Clean ground
15	Lockout power
16	Brake signal
17	Radar signal
18	Shift disable
19	Neutral
20	Open
21	Motor control
22	Right forward
23	Left forward
24	Control interface 2
25	Right reverse
26	Left reverse
27	Forward Neutral Reverse (FNR) power
28	Forward Neutral Reverse (FNR) ground
29	Forward Neutral Reverse (FNR) signal
30	Speed power
31	Speed ground
32	Speed signal
33	Coil ground
34	Diagnostic lamp
35	CAN high
36	CAN low
37	Speed Potentiometer (POT)
38	Forward Neutral Reverse (FNR) lever control

Harnesses and connectors - Electrical schematic sheet 39 - Main bulkhead - inside cab

Item	Description	Item	Description
1	Main frame bulkhead cab side	40	Park brake verify
2	Torque select	41	Park brake
3	Fuel restriction	42	Sensor / radar power
4	Right turn	43	Clean ground
5	Left turn	44	Brake light
6	Tail lights	45	Reverse
7	Left high beam	46	Right mirror common
8	Right high beam	47	Radar present
9	Right low beam	48	Radar signal
10	Left low beam	49	Right mirror horizontal
11	Air PSI signal	50	Left mirror horizontal
12	Charge PSI	51	Left mirror common
13	Horn	52	Right mirror vertical
14	Fuel sender signal	53	Left mirror vertical
15	Fuel level +8 V	54	Sensor return Instrument Control Unit (ICU)
16	Alternator excite	55	Throttle Potentiometer (POT) signal
17	Hydraulic filter	56	Traction control
18	Air filter restriction	57	Throttle Potentiometer (POT) +5 V
19	Sensor return	58	Off idle
20	Right reverse	59	4 wheel off
21	Motor control	60	Not neutral
22	Right forward	61	Air conditioning safety switch ground
23	Left reverse	62	Front washer pump
24	Left forward	63	Forced neutral
25	Unswitched +24 V	64	Propel ground
26	Dosing Control Unit (DCU) K-line	65	High PSI switch
27	Hydraulic oil derate	66	Starter relay
28	Hydraulic oil temperature	67	Air conditioning clutch
29	Hydraulic oil level	68	Instrument Control Unit (ICU) +5 V
30	Hydraulic oil warning	69	Park brake power
31	2 speed off	70	Cruise on / off
32	Vehicle CAN low	71	Cruise set
33	Vehicle CAN high	72	Cruise resume
34	K-line Electronic Draft Control 7 (EDC7)	73	Electronic Control Unit (ECU) keyed power
35	Auxiliary drive off	74	On idle
36	Auxiliary drive on / axle out	75	Boom lights
37	2 speed on / axle in	76	Left front worklights
38	Right-hand marker lights	77	Right front worklights
39	Left-hand marker lights	78	Tail lights

Harnesses and connectors - Electrical schematic sheet 44 - Sparge switch, sparge valve and sparge pressure switches

Item	Description
1	Sparge increase / decrease
2	Sparge valve
3	Sparge PSI sensor

Harnesses and connectors - Electrical schematic sheet 49 - Hydraulic sensors, radar and charge PSI

Item	Description
1	Charge PSI switch
2	Hydraulic filter restriction switch
3	Hydraulic oil sensors
4	Low level
5	Warning
6	Derate
7	Temperature
8	Radar

Harnesses and connectors - Electrical schematic sheet 55 - Auto guidance seat

Item	Description
1	Seat

Harnesses and connectors - Electrical schematic sheet 60 - Right-hand boom controls

Item	Description
1	Control switch can activated the adjacent switch
2	Down
3	In
4	Right-hand boom control
5	Up
6	Out
7	Relay panel 6
8	Sensor, position with diode
9	Right-hand inner out
10	Right-hand inner in
11	Right-hand level up
12	Right-hand level down
13	Right-hand fold in
14	Right-hand fold out
15	Control switch can activated the adjacent switch

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

Harnesses and connectors - Electrical schematic sheet 65 - Right-hand boom - 7 section

Item	Description
1	Two 6 way sealed splice packs
2	Two 6 way splice packs DEU
3	Boom valve section 4
4	Boom valve section 5
5	Boom valve section 6
6	Boom valve section 7
7	For fly back diodes: Length cathode to A = 75 mm Length anode to B = 95 mm
8	Right-hand fence row
9	Fly back
10	Right-hand foam liquid
11	Outer fold sensor *reverse sex terminals
12	Mid fold sensor *reverse sex terminals
13	Right-hand boom sensor #7
14	Outer fold signal
15	Mid fold signal
16	Ground
17	Power
18	Boom sensors
19	Right-hand boom #7
20	Open
21	Section #7
22	Right-hand boom
23	Foam ground
24	Foam air
25	Fence row
26	Section 6
27	Section 5
28	Section 4
29	Switched power

**Harnesses and connectors - Electrical schematic sheet 70 - Auto level
continued**

Item	Description
1	Auto level controller
2	Left-hand solenoid
3	Right-hand solenoid
4	Left-hand PSI
5	Right-hand PSI
6	Left-hand sensor
7	Right-hand sensor
8	Center solenoid
9	RT sensor #2 signal
10	RT sensor #2 ground
11	RT sensor #2 power
12	LT sensor #2 signal
13	LT sensor #2 ground
14	LT sensor #2 power
15	Center 2 speed valve
16	Auto level controller
17	RT sensor signal
18	LT sensor signal
19	US / pressure ground
20	US / pressure power
21	LT / pressure signal
22	LT / pressure signal
23	Right solenoid power
24	LT / RT solenoid ground
25	Left solenoid power

**Harnesses and connectors - Electrical schematic sheet 75 - Auto fold
continued**

Item	Description
1	Auto fold controller
2	Right-hand mid fold out
3	Right-hand mid fold in
4	Left-hand mid fold out
5	Left-hand mid fold in
6	BH40 C section side
7	AIM Command auto mode
8	AIM Command manual mode
9	Position sensor signal
10	Left-hand foam air
11	Right-hand foam air
12	AIM Command P1 / P2
13	AIM Command increase
14	AIM Command decrease
15	Center section up
16	Center section down
17	Right-hand level up sensor
18	Right-hand outer in sensor
19	Right-hand outer out sensor
20	Right-hand level down sensor
21	Frame side bulkhead connector
22	CAN high
23	Logic ground
24	Logic power
25	Right-hand in fold position
26	Ground

Harnesses and connectors - Electrical schematic sheet 81 - Autoboom, 90/100 foot boom continued

Item	Description
1	CAN in
2	CAN out
3	CAN power
4	CAN high
5	CAN ground
6	CAN low
7	CAN out autoboom
8	Logic power
9	Auxiliary power
10	Left sensor outer
11	Right sensor outer
12	HC ground
13	Logic ground
14	HC power
15	Left solenoid up sensors
16	Proximity switch signal
17	Right sensors up signal
18	Left sensors up signal
19	US / pressure ground
20	Autoboom controller

**Harnesses and connectors - Electrical schematic sheet 86 - AIM
Command Flex, 120 foot boom valves (primary)**

Item	Description
1	Connects to 120 ft boom solenoids: Left-hand side – nozzle 27 Right-hand side – nozzle 46
2	Connects to 120 ft boom solenoids: Left-hand side – nozzle 26 Right-hand side – nozzle 47
3	Connects to 120 ft boom solenoids: Left-hand side – nozzle 25 Right-hand side – nozzle 48
4	Connects to 120 ft boom solenoids: Left-hand side – nozzle 24 Right-hand side – nozzle 49
5	Connects to 120 ft boom solenoids: Left-hand side – nozzle 23 Right-hand side – nozzle 50

**Harnesses and connectors - Electrical schematic sheet 91 - AIM
Command Flex, 120 foot boom valves (secondary)**

Item	Description
1	Connects to 120 ft boom solenoids: Left-hand side – nozzle 3 Right-hand side – nozzle 70
2	Connects to 120 ft boom solenoids: Left-hand side – nozzle 2 Right-hand side – nozzle 71
3	Connects to 120 ft boom solenoids: Left-hand side – nozzle 1 Right-hand side – nozzle 72
4	Connects with CAN terminator
5	Terminator S120-J11

**Harnesses and connectors - Electrical schematic sheet 96 - AIM
Command Flex, 100 foot boom valves (secondary)**

Item	Description
1	Primary harness interface
2	To 90 ft P90-J20
3	Connects to 100 ft boom solenoids: Left-hand side – nozzle 12 Right-hand side – nozzle 49
4	Connects to 100 ft boom solenoids: Left-hand side – nozzle 11 Right-hand side – nozzle 50
5	Connects to 100 ft boom solenoids: Left-hand side – nozzle 10 Right-hand side – nozzle 51
6	Connects to 100 ft boom solenoids: Left-hand side – nozzle 9 Right-hand side – nozzle 52

Harnesses and connectors - Electrical schematic sheet 102 - Front hood lights

Item	Description
1	Right-hand headlight
2	Right-hand worklight halogen
3	Center light options, use (ADPH-1) adapter harness as required: Option 1 – center halogen and 2 halogen worklights, (0 ADPH-1) Option 2 – center HID and 2 HID worklights, (3 ADPH-1) Option 3 – center HID and 2 halogen worklights, (1 ADPH-1)
4	Adapter
5	When adapter harness is used connector B mates with X-621F.
6	This harness is used when 2-ballast HID option is chosen.
7	Left-hand headlight
8	Left-hand worklight halogen
9	Center worklight halogen
10	Horn
11	For PVC material use wire size 0.8.

Harnesses and connectors - Electrical schematic sheet 108 - Mirror, wiper

Item	Description
1	Power mirror
2	Power
3	Left mirror horizontal
4	Left mirror common
5	Left mirror vertical
6	Right mirror vertical
7	Right mirror common
8	Right mirror horizontal
9	Ground
10	Roof harness is Racine design, IDs and color mismatches are likely. Roof harness uses C013-F, G and H for rear wiper not supported by Benson.
11	Front wiper
12	Park
13	Brake
14	Low
15	High
16	Front wiper ground
17	Wash
18	Standard wiper
19	Intermittent wiper

Harnesses and connectors - Electrical schematic sheet 114 - Accessory and power ports

Item	Description
1	Compartment power port
2	Compartment accessory port
3	Right-hand fender cigar port
4	Right-hand fender cigar light
5	Accessory port A-port
6	Auxiliary port A-port
7	Fender power port
8	Global Positioning System (GPS) power port

Harnesses and connectors - Electrical schematic sheet 120 - Radio, dome lights

Item	Description
1	Roof harness is Racine design, mismatched connectors and wires are likely.
2	Cab ground
3	Door jam
4	Dome
5	Right-hand console light
6	Radio ground
7	Use for Business Band (BB) radio
8	Left-hand rear speaker
9	Left-hand front speaker
10	Bluetooth micro phone
11	Ground
12	Satellite antenna
13	Mic +
14	Right-hand speaker -
15	Left-hand speaker -
16	Right-hand speaker +
17	Left-hand speaker +
18	Right-hand rear speaker -
19	Left-hand rear speaker -
20	Right-hand rear speaker +
21	Left-hand rear speaker +
22	Radio speakers
23	Accessory B+
24	Back light
25	Unswitched power
26	Ground
27	Radio connector
28	Satellite antenna
29	Right-hand front speaker
30	Right-hand rear speaker
31	Cab roof ground

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL