

Cosechadora CTL
1WJ1070E002224 -
1WJ1170E002359 -

ESQUEMA ELÉCTRICO
John Deere 1070E / 1170E
Interim Tier 4

F678203 - B0
F688239 (06/2015) SPANISH

Worldwide Construction
And Forestry Division

Published in Finland

Traducción de las instrucciones originales

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F678203 2/32 (2/2)

Item	Component	Description	Position	Location
X172	Connector	2-pin	210T	Cabin
X174	Connector	4-pin	216X	Cabin
X227	Connector	3-pin	202R	Cabin
X228	Connector	1-pin	201P	Cabin
XB1	Connector	10-pin	211F	PCB cabin
XB2	Connector	10-pin	208C	PCB cabin
XB11	Connector	10-pin	204B	PCB cabin

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F678203 6/32 (1/1)

Item	Component	Description	Position	Location
A9	Controller	Keypad, left	600H	Cabin
A10	Controller	Keypad, right	614H	Cabin
B20	Joystick	Left	608B	Cabin
B21	Joystick	Right	614B	Cabin
B22	Joystick	Steering	603B	Cabin
B37	Joystick	Boom tilt	616B	Cabin
J2.	Connector	8-pin	606F	Cabin
J3.	Connector	6-pin	604F	Cabin
J4.	Connector	6-pin	600F	Cabin
J6.	Connector	8-pin	606J	Cabin
J7	Connector	8-pin	600J	Cabin
S40	Switch	Drive direction	617B	Cabin
X21	Connector	37-pin	600U	Cabin
X37	Connector	8-pin	600R	Cabin
X38	Connector	8-pin	600O	Seat
X45	Connector	2-pin	613Y	Cabin
X216	Connector	5-pin	606O	Seat
X217	Connector	5-pin	616O	Seat
XF7	Connector	37-pin	604Y	Front frame

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F678203 9/32 (1/3)

Item	Component	Description	Position	Location
A5	Controller	Cabin	914D	Cabin
B83	Sensor	Ambient temperature	916N	Engine Compartment
E20	Light	Clearance light	918R	Cabin roof
E21	Light	Clearance light	919R	Cabin roof
E40	Light	Working light	904U	Cabin roof
E41	Light	Working light	905U	Cabin roof
E42	Light	Working light	906U	Cabin roof
E43	Light	Working light	907U	Cabin roof
E44	Light	Working light	908U	Cabin roof
E45	Light	Working light	909U	Cabin roof
E46	Light	Working light	900U	Cabin roof
E47	Light	Working light	901U	Cabin roof
E48	Light	Working light	910U	Cabin roof
E49	Light	Working light	911U	Cabin roof
E50	Light	Working light	902U	Cabin roof
E51	Light	Working light	903U	Cabin roof
E57	Light	Working light	913U	Cabin roof
E58	Light	Working light	913U	Cabin roof
E62	Light	Working light	914U	Cabin roof

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F678203 11/32 (1/3)

Item	Component	Description	Position	Location
A6	Module	Frame controller	1103B	Front frame
B15	Sensor	Pressure switch, brake lights	1111G	Front frame, brake valve
E8	Light	Head light, left	1117V	Front frame
E9	Light	Head light, right	1118V	Front frame
E10	Light	Parking light, left	1107V	Front frame
E11	Light	Parking light, right	1108V	Front frame
E12A	Light	Blinker, rear left	1111V	Rear frame
E12B	Light	Stop light, left	1112V	Rear frame
E12C	Light	Parking light, left	1113V	Rear frame
E14A	Light	Blinker, rear right	1114V	Rear frame
E14B	Light	Stop light, right	1115E	Rear frame
E14C	Light	Parking light, right	1115E	Rear frame
E24	Light	Blinker, front left	1106V	Front frame
E26	Light	Blinker, front right	1108V	Front frame
F71	Fuse	Blinker, 10A	1101B	PCB frame
F78	Fuse	Headlights, 10A	1118C	PCB frame
F87	Fuse	Brake light, 3A	1116C	PCB frame
F89	Fuse	Parking lights, left, 5A	1114L	PCB frame
F90	Fuse	Parking lights, right, 5A	1115L	PCB frame

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F678203 12/32 (3/3)

Item	Component	Description	Position	Location
XE1	Connector	32-pin	1214U	Front frame
XE2	Connector	48-pin	1216D	Front frame
XE3	Connector	32-pin	1218D	Front frame
XE7	Connector	6-pin	1217Q	Front frame
XF3	Connector	10-pin	1201I	Front frame
XF4	Connector	10-pin	1206E	Front frame
XF5	Connector	10-pin	1203E	Front frame

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F678203 15/32 (1/2)

Item	Component	Description	Position	Location
A8	Controller	Boom	1500M	Front frame
F88	Fuse	Boom controller, 10A	1501B	PCB frame
R40	Resistor	CAN terminator	1505S	Front Frame
X77	Connector	12-pin	1511S	Front frame
X189	Connector	8-pin	1506F	Front frame
XC1	Connector	32-pin	1501K	Front frame
XC2	Connector	48-pin	1501K	Front frame
XC3	Connector	32-pin	1500K	Front frame
XC10	Connector	3-pin	1503V	Front Frame
XC12	Connector	3-pin	1500S	Front Frame
XC24	Connector	3-pin	1504S	Front frame
XD1	Connector	6-pin	1503F	Front frame
XF7	Connector	37-pin	1506D	Front frame
Y66L	Solenoid	Primary frame steering, left	1509V	Front frame
Y66LB	Solenoid	Secondary frame steering, left	1506I	Front frame
Y66R	Solenoid	Primary frame steering, right	1510V	Front frame
Y66RB	Solenoid	Secondary frame steering, right	1508I	Front frame
Y418	Solenoid	Extension boom out	1517V	Front frame
Y419	Solenoid	Extension boom in	1519V	Front frame

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Item	Component	Description	Position	Location
XF19	Connector	21-pin	1704I	Rear frame
XR1	Connector	31-pin	1703E	Rear frame
XR2	Connector	31-pin	1703C	Front frame
XT1	Connector	32-pin	1701L	Rear frame
XT2	Connector	48-pin	1700P	Rear frame
XT3	Connector	32-pin	1700L	Rear frame
Y1	Transmission controller	Fuel suction valve	1715V	Rear frame
Y33B	Solenoid	Differential lock, rear	1712T	Rear frame, auxiliary valve
Y33F	Solenoid	Differential lock, front	1711T	Rear frame, auxiliary valve
Y39	Solenoid	Rear wheel drive release	1709T	Rear frame, auxiliary valve
Y45	Solenoid	High gear	1705T	Rear frame, auxiliary valve
Y46	Solenoid	High gear	1707T	Rear frame, auxiliary valve
Y194	Transmission controller	Differential lock, rear	1718Q	Rear frame

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F678203 21/32 (1/1)

Item	Component	Description	Position	Location
A1	Controller	Engine ECU IT4	2101X	Rear frame
B5100	Sensor	Rail pressure	2116E	Engine
B5205	Sensor	Intercooler outlet temp	2111D	Engine
B5206	Sensor	Manifold air temp	2112D	Engine
B5207	Sensor	EGR temp	2109D	Engine
B5301	Sensor	Engine crank sensor	2104D	Engine
B5302	Sensor	Engine cam sensor	2106D	Engine
B5600	Sensor	Water in fuel	2107D	Engine
ECU1	Connector	54-pin	2104V	Engine
ECU2	Connector	54-pin	2109V	Engine
X5010	Connector	8-pin	2104H	Engine
X5015	Connector	40-pin	2104O	Engine
X5016	Connector	40-pin	2109O	Engine

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Item	Component	Description	Position	Location
1A1	Connector	3-pin	2611Y	Rear frame
2A1	Connector	3-pin	2609Y	Rear frame
A26	Controller	Centralized lubrication system	2609Z	Engine compartment
F75	Fuse	In reserve, 10A	2603D	PCB Cabin
F85	Fuse	Ignition switch, 10A	2602D	PCB Cabin
K55	Relay	Centralized lubrication system	2612T	Engine compartment
K56	Relay	Puradyn filter	2600T	Engine compartment
R12	Resistor	Puradyn filter	2602Y	Engine compartment
S109	Switch	Centralized lubrication system	2608D	Cabin
X18	Connector	2-pin	2601Y	Engine compartment
X21	Connector	37-pin	2606D	Cabin
X41	Connector	6-pin	2604R	Rear frame
X41.	Connector	6-pin	2608T	Rear frame
XF1	Connector	10-pin	2602D	Front frame
XF2	Connector	10-pin	2601D	Front frame
XF3	Connector	10-pin	2603D	Front frame

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Item	Component	Description	Position	Location
A11	Controller	Central locking unit	3013X	Cabin
A14	Controller	Central locking unit actuator main door	3016C	Cabin
A15	Controller	Central locking unit actuator emergency-door	3018C	Cabin
A16	Controller	Central locking unit relay box	3013L	Cabin
A18	Controller	Approach light control	3003H	Cabin
F68	Fuse	Working light, 15A	3001E	Cabin
F82	Fuse	Approach light, 3A	3011O	PCB frame
K43	Relay	Approach light	3009U	PCB frame
S110	Switch	Approach light	3007G	Cabin
V7	Diode	Approach light	3003O	Cabin
V11	Diode	Working light	3011Q	PCB frame
X7	Connector	24-pin	3004E	Cabin
X9	Connector	12-pin	3015F	Cabin
X14	Connector	31-pin	3015I	Cabin

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Cabin, Schematic 2/16 (1/2)

Item	Component	Description	Position	Location
A2	Radio		203M	Cabin
A12	Antenna		205R	Cabin
B29	Converter	12V/24V converter	206L	Cabin
B29B	Converter	12V/24V converter	212L	Cabin
B40	Loudspeaker	Left	205Y	Cabin
B41	Loudspeaker	Right	207Y	Cabin
E52	Power outlet	Cigarette lighter	218F	Cabin
F6	Fuse	Radio, cigarette lighter 7.5A	214D	Fuse block
F12	Fuse	Converter 7.5A	212E	Fuse block
F13	Fuse	Keypad 5A	213E	Fuse block
F18	Fuse	Engine pre-heater, PC 10A	206E	Fuse block
F19	Fuse	Scales, Caliper 5A	210E	Fuse block
K1	Relay	Radio	216K	Relay block
S3	Switch	Cabin battery power	203D	Cabin

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Cabin, Schematic 6/16 (1/1)

Item	Component	Description	Position	Location
A9	Controller	Keypad, left	600G	Cabin
A10	Controller	Keypad, right	613H	Cabin
B20	Joystick	Left	608B	Cabin
B21	Joystick	Right	614C	Cabin
B37	Joystick	Boom tilt	616C	Cabin
J2.	Connector	8-pin	606F	Cabin
J3.	Connector	6-pin	604F	Cabin
J4.	Connector	6-pin	600F	Cabin
J6.	Connector	8-pin	606K	Cabin
J7.	Connector	8-pin	600K	Cabin
S40	Switch	Drive direction	617C	Cabin
X21	Connector	37-pin	600U	Cabin
X37	Connector	8-pin	600R	Cabin
X38	Connector	8-pin	600O	Seat
X45	Connector	2-pin	613Y	Seat
X216	Connector	5-pin	606O	Seat
X217	Connector	5-pin	616O	Seat

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Cabin, Schematic 10/16 (2/2)

Item	Component	Description	Position	Location
E63	Light	Working light	1015U	Cabin roof
V7	Diode		1002E	Cabin
V10	Diode		1003E	Cabin
X13	Connector	4-pin	1017T	Cabin
X21	Connector	31-pin	1002G	Cabin
X191	Connector	2-pin	1011G	Cabin roof
X227	Connector	3-pin	1011E	Cabin
XB3	Connector	9-pin	1002R	Cabin
XB4	Connector	9-pin	1000T	Cabin
XH1	Connector	48-pin	1008N	Cabin
XH2	Connector	53-pin	1004N	Cabin
XH3	Connector	53-pin	1004K	Cabin

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Cabin, Schematic 14/16 (1/1)

Item	Component	Description	Position	Location
A11	Controller	Central locking unit	1412X	Cabin
A14	Controller	Central locking unit actuator main door	1414C	Cabin
A15	Controller	Central locking unit actuator emergency door	1417B	Cabin
A16	Controller	Central locking unit relay box	1412K	Cabin
A18	Connector	9-pin	1402G	Cabin
A18	Controller	Approach light control	1402H	Cabin
S110	Switch	Approach light	1406G	Cabin
X9	Connector	12-pin	1414F	Cabin
X100	Connector	2-pin	1409X	Cabin

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