

# 10

## ELECTRICAL SERVICES

**Technical support****Axos 340-310****Diagnostics – Edition 05.2009****Reference n° 00 1138 048 0**

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<b>Y</b>	<b>Electromagnetic coil</b>
Y1	4-wheel drive solenoid valve
Y15	Engine shutdown solenoid valve
Y320	Injector on cylinder
Y325	Front PTO clutch solenoid valve
Y326	Rear PTO clutch solenoid valve
Y327	Proportional forward solenoid valve (PSVF)
Y328	Proportional reverse solenoid valve (PSVR)
Y335	Ratio under torque solenoid valve

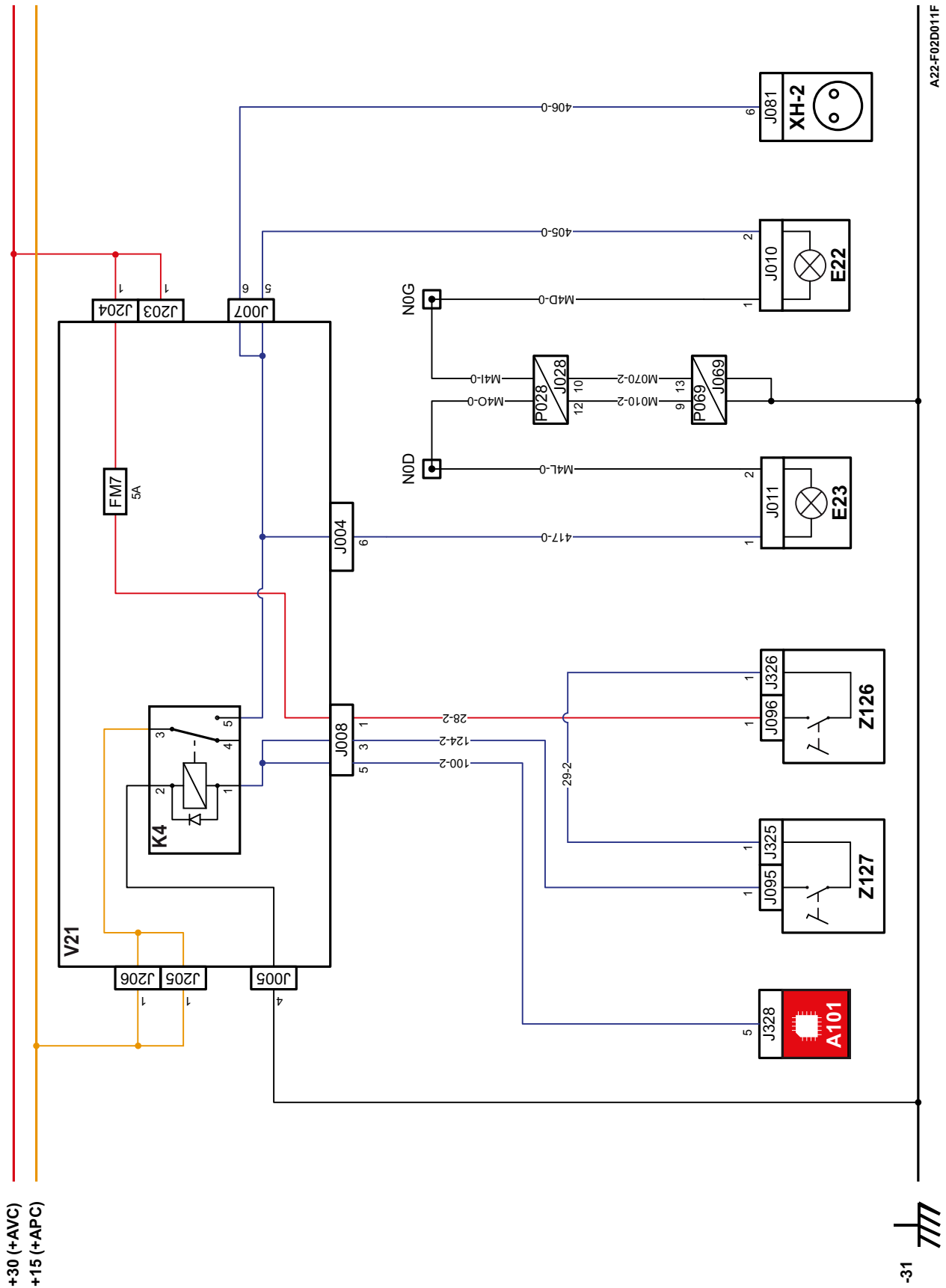
<b>Z</b>	<b>Actual value function switch</b>
Z5	Seat presence contact
Z12	Hand brake contact
Z42	Engine oil pressure switch
Z69	Air filter clogging contact
Z126	LH brake pedal switch
Z127	RH brake pedal switch
Z152	Clutch pedal low contact
Z160	Pto engaged 1 000 rev/min contact
Z161	Pto engaged 540 rev/min contact
Z175	Pressure contact of the rear PTO control circuit
Z187	"540 Eco" rear PTO switch

<i>Relay</i>	<i>Designation</i>
K1	Side light indicator
K2	Start
K3	Reverser
KT56	Flashing unit
K4	Spare relays 1

<i>Fuses</i>	<i>Designation</i>	<i>Current</i>
FM1	Flashing indicators / Hazard warning lights	15
FM2	Right hand lights	10
FM3	Left hand lights	10
FA1	Start	25
FM4	ISO / implement electrical socket	5
FM5	Transmission	10
FM6	Front power take-off	10
FM7	Instrument panel	5
FM8	Front axle engaging	15
FM9	Rotating beacon	10
FM10	Engine computer	10
FA2	Implement electrical socket	25
FM11	Rear right working lights	5
FM12	Dipped/ road lights	15
FM13	Instrument panel	5
FM14	Engine computer	10
FM15	Transmission computer	10
FMR1	Spare fuse	5
FMR2	Spare fuse	10
FMR3	Spare fuse	15
FAR1	Spare fuse	25
FAR2	Spare fuse	25

<i>Designation</i>		<i>Function</i>
D1	Diode	Start

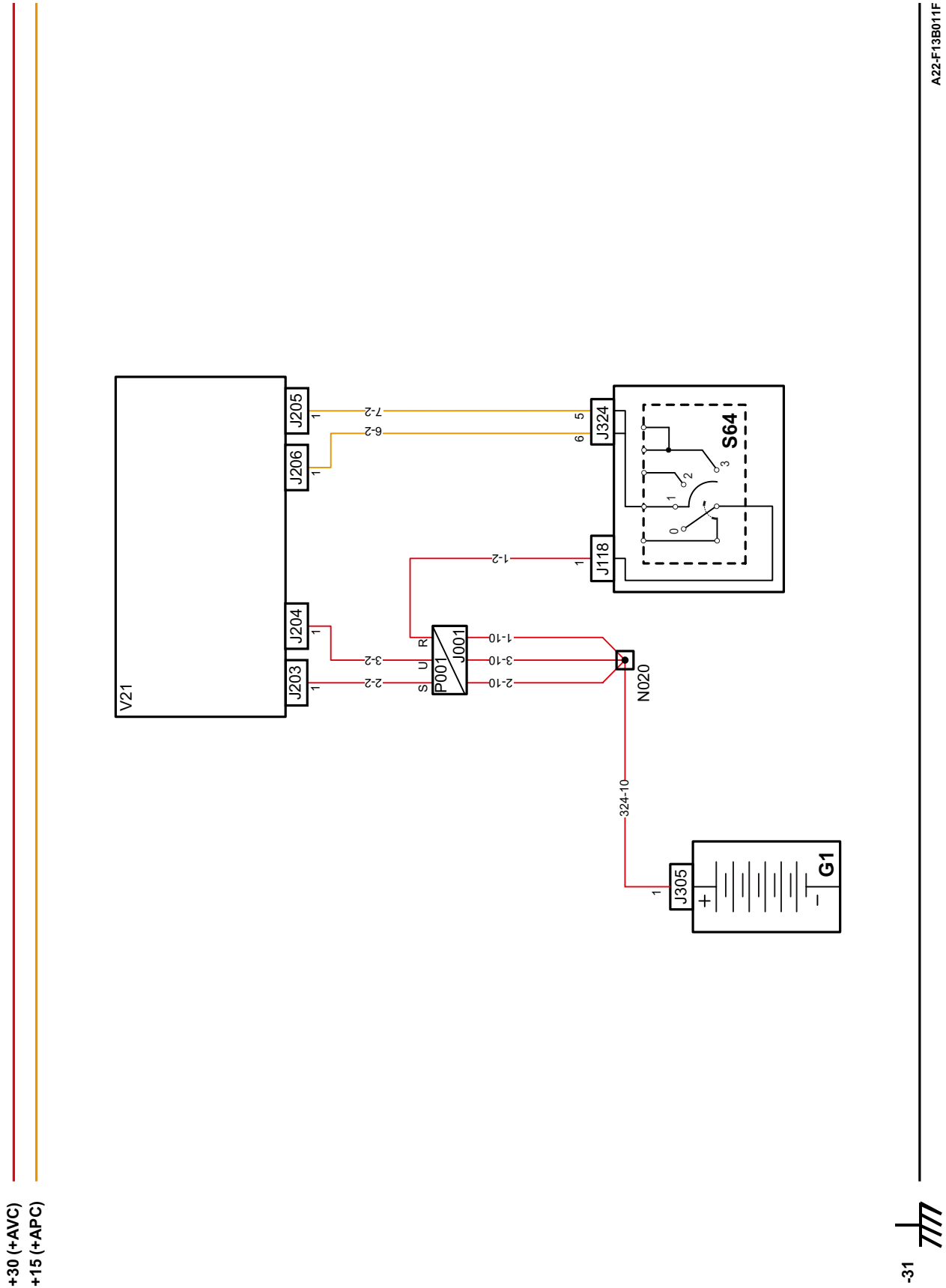
# Brake lights



A22-F02D011F

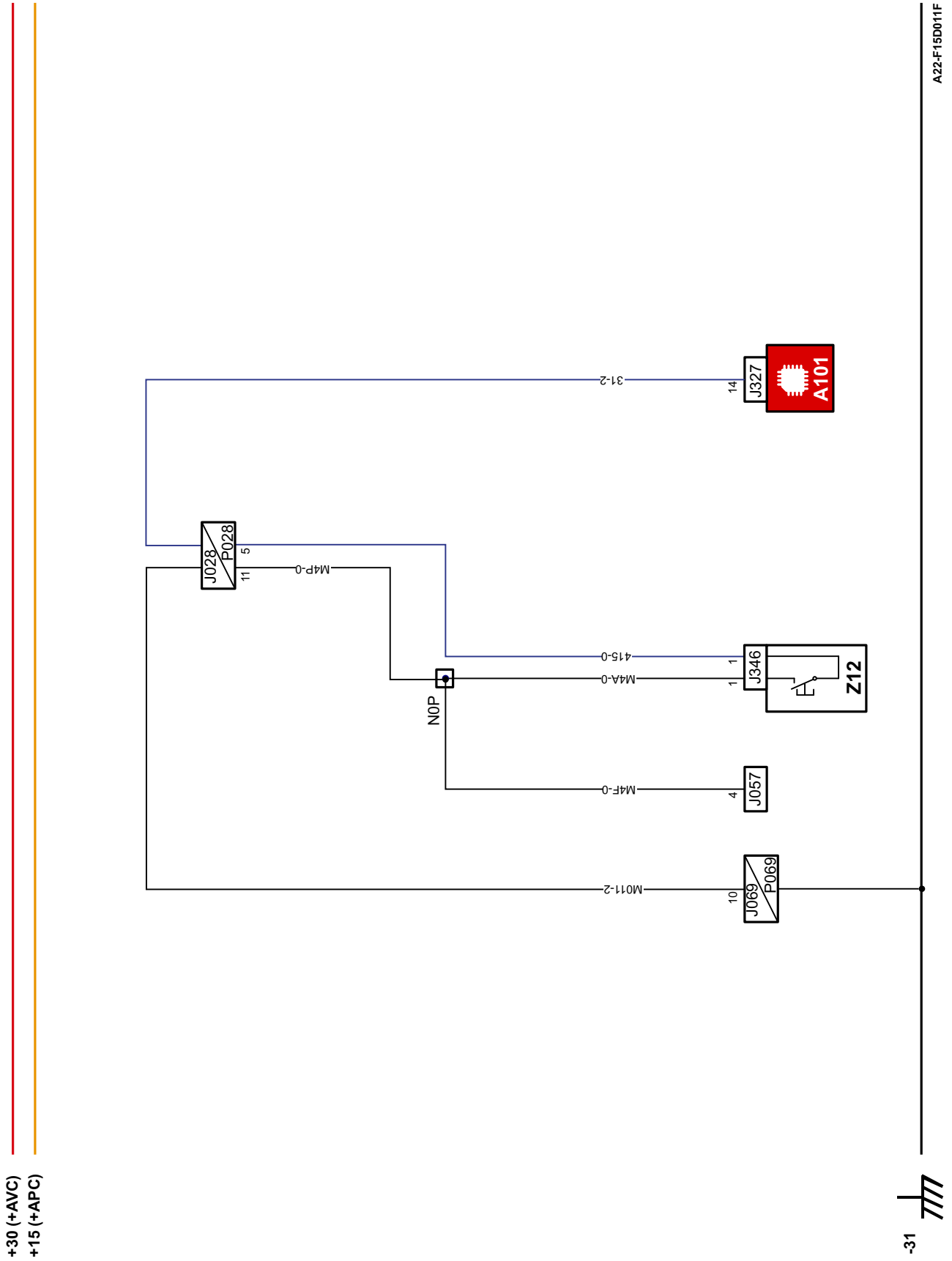


Supply after contact



A22-F13B011F

# Handbrake



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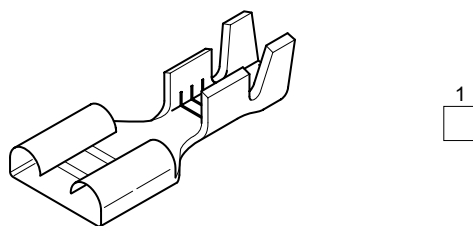
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Pin	Wire	mm <sup>2</sup>	Designation	Tip		State
17	805-13	0.5	Gearbox engaged	J050	5	
18	836-13	0.5	Control "-" ranges	J050	26	
19	823-13	0.5	Neutral control	J030	6	
20	827-13	0.5	Reverse drive control	J030	5	
21	869-13	0.5	Transmission temperature	J050	32	
26	821-13	0.5	Auto fault 5	J030	2	
27	822-13	0.5	Hydraulic doubler warning light	J029	13	
28	M019-13	1.0	Auto 5 earth	J003	1	
29	837-13	1.5	+ AVC auto 5	J048	2	
30	868-13	0.5	BOC	J030	9	
31	875-13	0.5	Control	J030	8	
32	835-13	0.5	Control "+" ranges	J050	28	
33	800-13	0.5	Hydraulic pressure	J029	2	
34	830-13	0.5	Clutch potentiometer cursor	J030	7	
36	820-13	0.5	W alternator - (engine rpm)	J030	1	
37	819-13	0.5	Tractor speed - (Auto 5)	J029	5	
38	814-13	0.75	Speed of reverser under torque module	J050	20	
39	L104-13	0.5	J1939 CAN L powertrain - (auto calculator 5)	J088	1	
40	H104-13	0.5	J1939 CAN H powertrain - (auto calculator 5)	J088	4	
41	870-13	0.5	Ref. -	N007		
42	838-13	1.5	+ APC auto 5	J051	4	

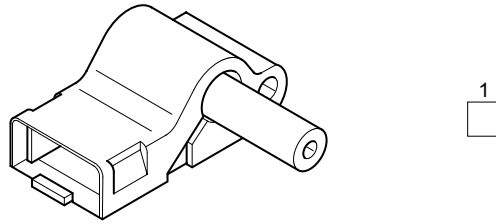
**J033 Connector - PTO safety shunt switch**



7700053893

Pin	Wire	mm <sup>2</sup>	Designation	Tip		State
1	059-02	0.5	540/1 000 power take-off	J329	12	

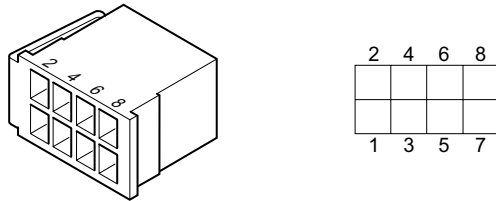
**J071 Connector - Pre-heat relay**



770006867

Pin	Wire	mm <sup>2</sup>	Designation	Tip		State
1	146-10	1.0	Preheating control	P002	V	

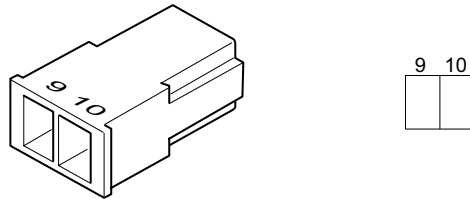
**J079 Connector - Rear working light controls**



7700038263

Pin	Wire	mm <sup>2</sup>	Designation	Tip		State
1	075-02	1.0	+ AVC rear working light controls	J006	6	
5	076-02	1.0	Rear working light controls	J028	4	
5	077-02	0.5	Rear working light indicator	J080	9	

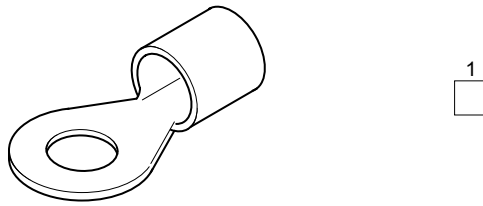
**J080 Connector - Rear working light controls**



7700038262

Pin	Wire	mm <sup>2</sup>	Designation	Tip		State
9	077-02	0.5	Rear working light indicator	J079	5	
10	M004-02	0.5	Spot light ground	J069	6	

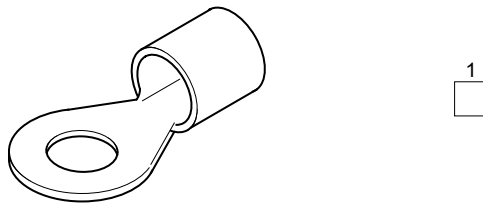
**J135 Connector - Pre-heat relay**



7700047203

Pin	Wire	mm <sup>2</sup>	Designation	Tip		State
1	212-10	10.0	Pre-heating	J121	1	

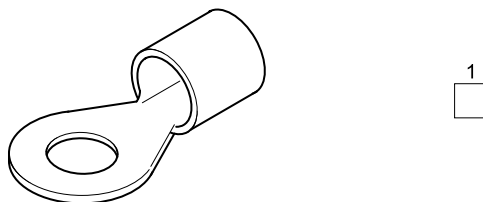
**J136 Connector - Pre-heat relay**



7700047203

Pin	Wire	mm <sup>2</sup>	Designation	Tip		State
1	214-10	10.0	Pre-heat relay	J101	1	

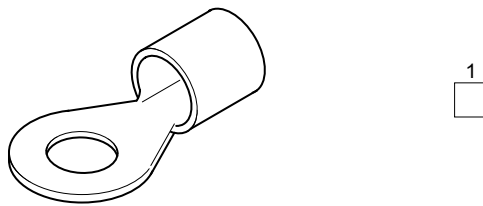
**J137 Connector - Battery**



7700046562

Pin	Wire	mm <sup>2</sup>	Designation	Tip		State
1	213-10	10.0	+ Battery	J101	2	

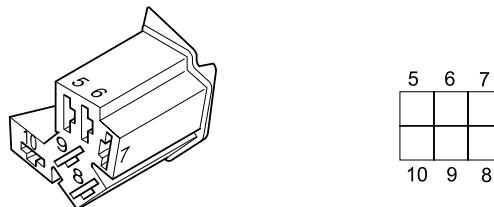
**J305 Connector - To battery**



7700043849

Pin	Wire	mm <sup>2</sup>	Designation	Tip	State
1	324-10	25.0	+ AVC general	N020	

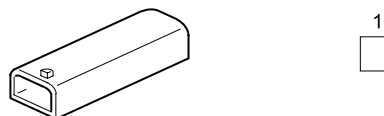
**J324 Connector - Key operated ignition**



7700042422

Pin	Wire	mm <sup>2</sup>	Designation	Tip	State
5	007-02	5.0	+ APC panel	J205	1
6	006-02	5.0	+ APC panel	J206	1
8	146-02	1	Preheating control	J002	V
9	115-02	0.5	Preheating indicator	J328	7

**J325 Connector - Left stop contact**



7700055900

Pin	Wire	mm <sup>2</sup>	Designation	Tip	State
1	029-02	1	LH stop	J326	1

**Splice N009 - Shuttle reverser**

Wire	mm <sup>2</sup>	Designation	Tip		State
M017-09	1.5	Transmission earth	P050	23	
M059-09	0.75	Hydraulic pressure earth	J144	1	
M060-09	0.75	Ground of 4 wheel drive solenoid valve	J349	2	
M061-09	0.75	EV2PS Earth	J058	2	
M062-09	0.75	Front PTO earth	J060	B	
M112-09	0.75	Ground of reverter under torque module speed	J059	2	

**Splice N010**

Wire	mm <sup>2</sup>	Designation	Tip		State
150-11	2.0	Dipped headlights	P122	A	
219-11	1.0	LH dipped light	J159	1	
220-11	1.0	RH dipped light	J165	1	

**Splice N011**

Wire	mm <sup>2</sup>	Designation	Tip		State
151-11	2.0	Main beam lights	P122	B	
221-11	1.0	LH headlight	J157	1	
222-11	1.0	RH headlight	J161	1	

**Splice N012**

Wire	mm <sup>2</sup>	Designation	Tip		State
M053-11	2.0	Low beam ground	P122	F	
M066-11	1.0	LH dipped beam earth	J160	1	
M067-11	1.0	RH dipped beam earth	J166	1	

**Splice N013**

Wire	mm <sup>2</sup>	Designation	Tip		State
M054-11	2.0	High beam ground	P122	C	
M068-11	1.0	LH headlight earth	J158	1	
M069-11	1.0	RH headlight earth	J352	1	

# **F3 IMPLANTATION DIAGRAMS**

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