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# JUNCTION RECEPTACLES IDENTIFICATION

This document is to assist in quickly identifying circuits at the outside/back of the control box.

Junction Receptacles Outside Control Box

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J1	-5	6	- 7	8	
<b>L</b>	1	2	3	4	
	. 5	. 6		8	
<b>J2</b>	-	2	3	4	
10	5	6	7	8	
J3		2		4	
	5	6	.7	8	
J4	-1		3	4	
	5	6	7	8	
J5	1	2	3	4	
16	5	6	2	8	
J6	1	2	3	4	

### J1, Terminals...

- 1. Not used
- 2. White wire connects to engine connector F (ignition start command)
- 3. Black wire connects to engine ground
- 4. Connects to 12V, 30 amp fuse
- 5. Not used
- 6. White wire connects to engine connector A and to 1 amp fuse fuel gauge
- 7. Not used
- 8. Not used

### J2, Terminals...

- 1. White wire (Ground) connects to Solenoid, front, main cylinder
- White wire connects to Solenoid, front, main cylinder Inactive 0 volt Active 12 volt
- 3. Black wire (Ground) connects to Solenoid, shuttle cylinder
- 4. Black wire connects to Solenoid, front, shuttle cylinder Inactive 0 volts
- Active 12 volts 5. Not used
- 6. Not used
- 7. Yellow wire (Ground) connects to Solenoid, rear, main cylinder
- Yellow wire connects to solenoid, rear, main cylinder Inactive 0 volt Active 12 volt

#### J3, Terminals...

- Gray wire (Signal) connects to proximity switch B Inactive 2.5 ~ 3 volts Active 0.7 volt
- Red wire (Signal) connects to Proximity switch A Inactive 2.5 ~ 3 volt
  - Active 0.7 volt
- 3. Not used
- 4. Not used
- 5. Blue wire (Ground) connects to proximity switch A, B, C, D
- 6. Brown wire (12V power) connects to Proximity switch A, B, C, D
- Yellow wire (Signal) connects to Proximity D Inactive 2.5 ~ 3 volt Active 0.7 volt
- Green wire (Signal) connects to proximity switch C Inactive 2.5 ~ 3.0 volt Active 0.7 volt



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# JUNCTION RECEPTACLES IDENTIFICATION

<u>Junction</u> Receptacles Outside Control Box					
8       7       6       5         4       3       2       1         8       7       6       5         4       3       2       1         8       7       6       5         4       3       2       1         8       7       6       5         4       3       2       1         8       7       6       5         J2       3       3       3	<ul> <li>J4, Terminals</li> <li>1. Not used</li> <li>2. Black wire connects to automated flow control, when activated 12V</li> <li>3. White wire connects to automated flow control, when activated 12V</li> <li>4. Not used</li> <li>5. Not used</li> <li>6. Not used</li> <li>7. Orange wire (Ground) connection K1 relay pin 85</li> <li>8. Orange wire (12V) connects to fan K1 relay Pin 86</li> </ul>				
4 3 2 1 JJ	J5, Terminals…				
8       7       6       5         4       3       2       1         8       7       6       5         4       3       2       1         8       7       6       5         4       3       2       1         8       7       6       5         4       3       2       1         8       7       6       5	<ol> <li>Not used</li> <li>Not used</li> <li>Red wire (Ground) connects to Solenoid, shuttle cylinder</li> <li>Red wire connects to Solenoid, shuttle cylinder         <ul> <li>Activated 12V</li> <li>Inactivated 0V</li> <li>Not used</li> <li>White wire connects to engine connector G malfunction light</li> <li>Not used</li> </ul> </li> </ol>				
4 3 2 1 J6	8. Not used				
J6, Terminals					
	<ol> <li>Not used</li> <li>Not used</li> <li>Red wire connects to engine (CANBUS) connector Pin P</li> <li>Black wire connects to engine (CANBUS) connector Pin N</li> </ol>				

- 5. Not used
- 6. Not used
- 7. Not used
- 8. Not used