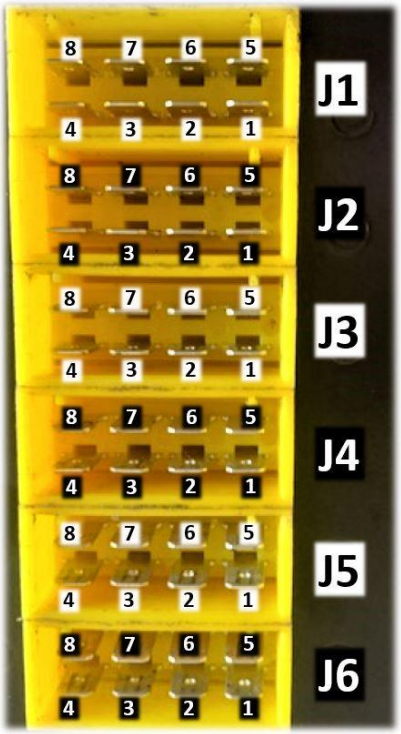
JUNCTION RECEPTACLES IDENTIFICATION

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

Junction Receptacles Outside Control Box



J1, Terminals…

1. Not used
2. White wire connects to engine connector #E (Starter request)
3. Black wire connects to engine ground
4. Connects to 12V, 30 amp fuse
5. Not used
6. Not used
7. Not used
8. Not used

J2, Terminals…

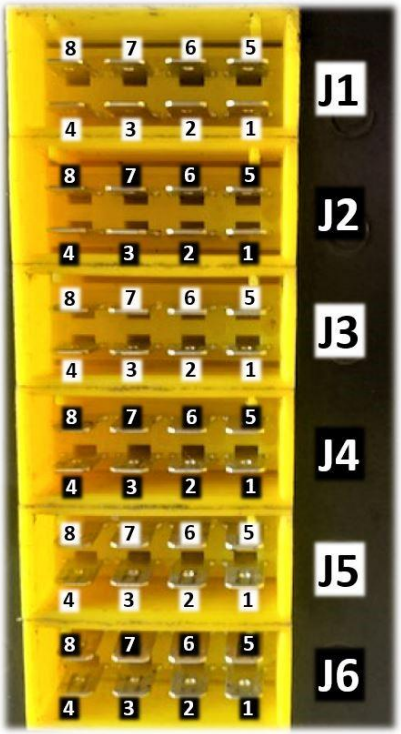
1. White wire (Ground) connects to Solenoid, front, main cylinder
2. White wire connects to Solenoid, front, main cylinder
   Inactive 0 volt
   Active 12 volt
3. Black wire (Ground) connects to Solenoid, shuttle cylinder
4. Black wire connects to Solenoid, front, shuttle cylinder
   Inactive 0 volts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

J3, Terminals…

1. Gray wire (Signal) connects to proximity switch B
   Inactive 2.5 ~ 3 volts
   Active 0.7 volt
2. Blue 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
7. Yellow wire (Signal) connects to Proximity D
   Inactive 2.5 ~ 3 volt
   Active 0.7 volt
8. Green wire (Signal) connects to proximity switch C
   Inactive 2.5 ~ 3.0 volt
   Active 0.7 volt

JUNCTION RECEPTACLES IDENTIFICATION

Junction Receptacles Outside Control Box



J4, Terminals…

1. Not used
2. White wire connects to automated flow control, when activated 12V
3. Black wire connects to automated flow control, when activated 12V
4. Not used
5. Not used
6. Not used
7. Orange wire (Ground) connection K1 relay pin 85
8. Orange wire (12V) connects to fan K1 relay Pin 86

J5, Terminals…

1. Not used
2. Not used
3. Red wire (Ground) connects to Solenoid, shuttle cylinder
4. Red wire connects to Solenoid, shuttle cylinder
   Activated 12V
   Inactivated 0V
5. Not used
6. White wire connects to 151K resistor onto engine connector pin G
7. Not used
8. White wire connects to engine connector pin A and to 3A fuse, 12V power

J6, Terminals…

1. Not used
2. Not used
3. Black wire connects to engine (CANBUS) connector Pin P
4. Red wire connects to engine (CANBUS) connector Pin N
5. Not used
6. Not used
7. Not used
8. Not used