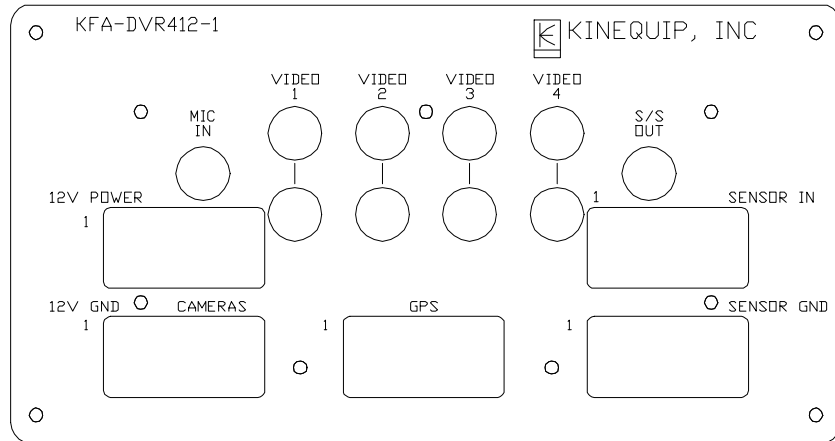




## Kinequip Specialty Vehicle Division Connection Instructions for KFA-DVR412-1 Breakout Box

### Connection End Plate

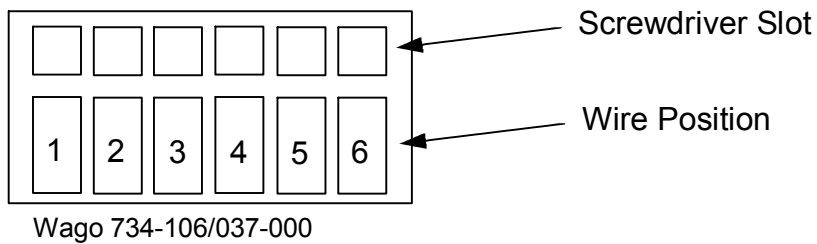


#### Electrical Connections:

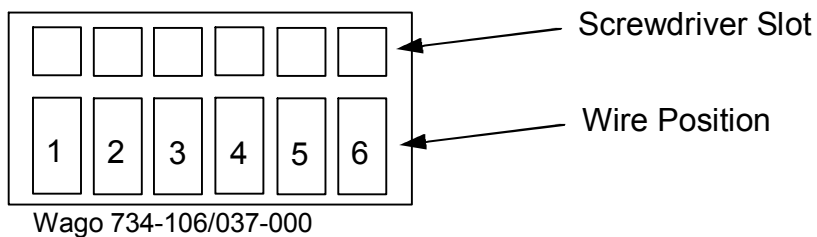
##### Power:

1. +12V Input
2. +12V Input (paralleled with pos #1)
3. +12V Output to Camera 1
4. +12V Output to Camera 2
5. +12V Output to Camera 3
6. +12V Output to Camera 4

##### 12V Power



##### 12V GND

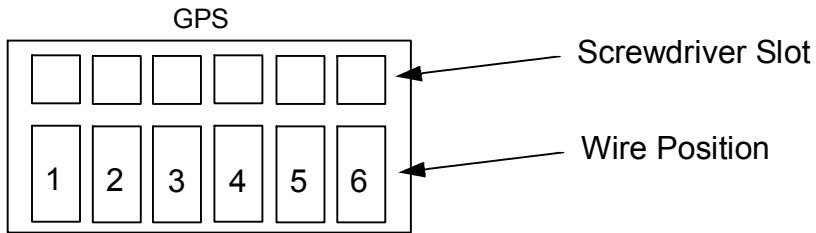


1. GND Input

2. GND Input (paralleled with pos #1)
3. GND Output to Camera 1
4. GND Output to Camera 2
5. GND Output to Camera 3
6. GND Output to Camera 4

GPS Module:

1. GPS TXD - Yellow
2. Not Connected
3. GPS RXD - Green
4. +5V Power - Red
5. Power Ground - Black
6. Not Connected

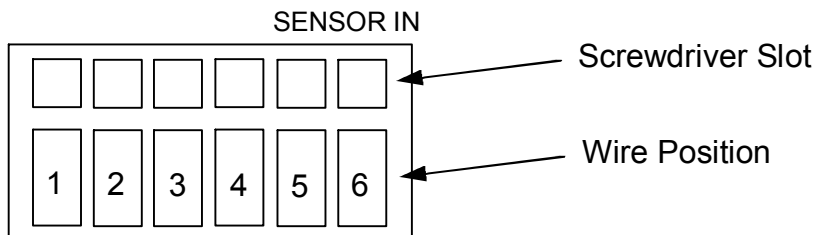


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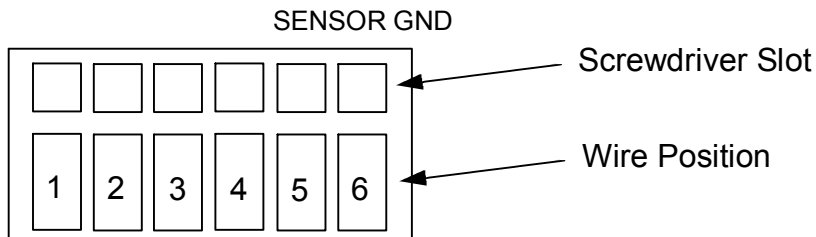
Note: Wire colors shown above are for the 4-wire G3-470 GPS module; 5-wire GPS modules may have a communications ground wire; this wire will connect to pin 2.

Sensors:

1. Sensor 1 Input
2. Sensor 2 Input
3. Sensor 3 Input
4. Sensor 4 Input
5. Tach Input
6. Not Connected



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1. Sensor 1 GND

2. Sensor 2 GND
3. Sensor 3 GND
4. Sensor 4 GND
5. Tach GND
6. Not Connected

Mic In:

Mic in is for line-level audio to be recorded along with video.

Video 1~4:

Video 1 through 4 are NTSC camera inputs; each input has two RCA jacks in a vertical column; the jacks are wired in parallel to provide the ability to send recorded NTSC video to a monitor system.

S/S Out:

S/S Out is an NTSC video output which is a split-screen output of all of the video being recorded. In normal operation, this output is inactive. Typical use would be to allow for aiming of cameras in an installation where no monitor is regularly present – the split-screen output allows camera aiming to be done with the temporary addition of one video monitor.



**KINEQUIP INC. Specialty Vehicle Division**  
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