

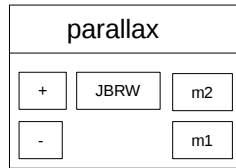
Hall effect sensor on the right front wheel

| Sensor wire color | label | Circuit wire color | description | location |
|-------------------|-------|--------------------|--------------|----------|
| black | 14 | orange | ground | Ide 9 |
| blue | 13 | brown | Signal pin 2 | Ide 7 |
| red | 15 | yellow | +5v dc | Ide 14 |

compass

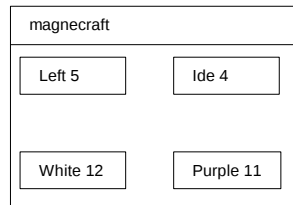
| | | |
|-------|---------|--------|
| red | +5v dc | Ide 16 |
| black | ground | Ide 18 |
| white | SDA, 20 | Ide 27 |
| green | SCL, 21 | Ide 28 |

steering

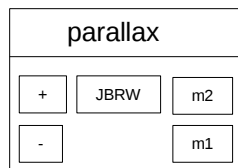


| | |
|---------|--------------------------------|
| W-green | Ide 12 |
| B-white | |
| m2 | Pink 6, steering wheel motor |
| m1 | Orange 5, steering wheel motor |
| + | Left 3 |
| - | Left 6 |

throttle

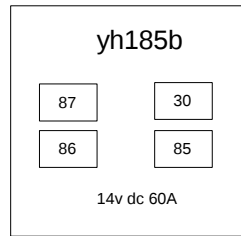


brake



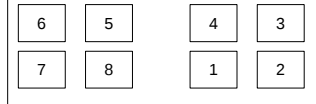
| | |
|---------|---------------------|
| B-black | Right 8 |
| W-Red | Ide 10 |
| m2 | pink into orange, 8 |
| m1 | Pink 7 |

yh185b



| | |
|----|--------|
| 30 | Left 1 |
| 85 | Left 1 |
| 86 | Ide 2 |
| 87 | Left 4 |

Krpa 11 d11 12

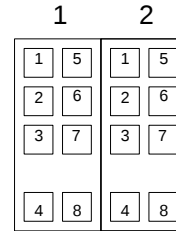


| | |
|---|-----------------|
| 2 | Right 5 |
| 5 | Label 10, brown |
| 6 | Ide 26, purple |
| 7 | Right 8 |
| 8 | Label 9, orange |

Toggle switch

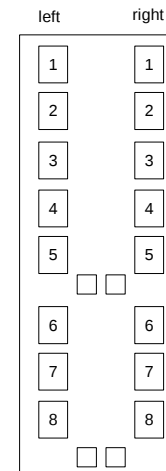
| | |
|-------|-----------|
| acc | Battery + |
| power | Left 2 |

Two relays taped together



| | | | |
|-----|----------|-----|----------|
| 1-1 | 2-7 | 2-1 | |
| 1-2 | letter L | 2-2 | |
| 1-3 | Letter O | 2-3 | |
| 1-4 | Right 3 | 2-4 | Ide 6 |
| 1-5 | 2-5 | 2-5 | 1-5 |
| 1-6 | letter N | 2-6 | letter K |
| 1-7 | letter M | 2-7 | 1-1 |
| 1-8 | Left 6 | 2-8 | Right 4 |

Power distribution



left

| | |
|---|---|
| 1 | Relay 30,85 |
| 2 | toggle switch power |
| 3 | parallax steering + |
| 4 | Relay 87, left 5 |
| 5 | Left 4, magnecraft (left 5) |
| 6 | parallax steer -, taped relays 1-8 |
| 7 | Bat -, brown taped to letter N, brown taped orange ide 22 |
| 8 | parallax brake -, 12v plug - |

right

| | |
|---|---------------------------|
| 1 | Ide 1, led, right 2 |
| 2 | Right 1, 12v plug + |
| 3 | taped orange 1-4, right 3 |
| 4 | Right 3, taped 2-8 |
| 5 | Krpa 2, parallax brake + |
| 6 | Led -, right 7, ide 13 |
| 7 | Right 6, right 8 |
| 8 | Right 7, krpa 7 (yellow) |

Ide cable

| | |
|----|---|
| 1 | right 1 |
| 2 | relay, ide 2 |
| 3 | right 1 |
| 4 | magenecraft ide 4 |
| 5 | Right 1 |
| 6 | red wire, 2-4 |
| 7 | Hall effect, blue/brown, signal |
| 8 | No pin |
| 9 | to ide 11, hall effect, black/orange, gnd |
| 10 | brake parallax w-red |
| 11 | to ide 9 |
| 12 | steering parallax w-green |
| 13 | Right 6 |
| 14 | Hall effect, red/yellow, +5v |
| 15 | Right 6 |
| 16 | Compass, red, +5v |
| 17 | Right 6 |
| 18 | Compass, black, gnd |
| 19 | orange in bundle |
| 20 | No pin |
| 21 | Orange/white in bundle |
| 22 | orange wire taped next to brown |
| 23 | blue/white in bundle |
| 24 | red into orange, N label |
| 25 | brown in bundle |
| 26 | purple, krpa 6 |
| 27 | Compass, white, sda |
| 28 | Compass, green, scl |