# GFB-KIT INSTALLATION GUIDE

| Encoder Motor Wiring Table | | |
|---|---|---|
| Wire Color | 26 Pin High Density Connector | Encoder Motor SM, Neometric, & BE Series |
| White | 5 | A |
| Yellow | 6 | B |
| Green | 7 | C |
| Blue | 8 | D |
| Orange | 9 | E |
| Brown | 10 | F |
| Black | 3 | G |
| Red | 2 | H |
| White/Green | 15 | K |
| White/Blue | 14 | M |
| White/Violet | 18 | P |
| White/Brown | 16 | T |
| White/Orange | 17 | U |
| Yellow/Orange | 12 | L |
| Yellow/Orange | 13 | N |
| Brake Wires | | |
| Red/Blue | No Connection | R |
| Red/Blue | No Connection | S |

| Resolver Motor Wiring Table | | | |
|---|---|---|---|
| Wire Color | 26 Pin High Density Connector | Resolver Motor SM, Neometric, & BE Series | Resolver Motor Apex & Z Series |
| Red | 25 | J | A |
| Black | 26 | E | B |
| Blue | 23 | G | C |
| Green | 24 | L | D |
| Brown | 19 | C | E |
| White | 20 | U | F |
| Orange/Yellow | 12 | N | U |
| Orange/Yellow | 13 | R | T |
| Brake Wires | | | |
| Red/Blue | No Connection | S | N |
| Red/Blue | No Connection | T | P |

## The GFB-KIT Contains The Following Items:

(1) 26 pin high density connector
(2) backshells
(2) jackscrews
(4) #2 screws, nuts, lock washers,
(1) large cable tie
(1) small cable tie
(1) small heatshrink (3")
(1) large heatshrink (1")
(4) 10-12 Awg spade lugs (yellow)
(4) 18-22 Awg spade lugs (red)
(4) 14-16 Awg spade lugs (blue)
(2) 24 Awg Ferrules (for Brake wires)

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## INSTALLATION STEPS:

1. Cut cable to length and strip back cable jacket.

2. Fold the cable braid back onto the jacket. Ensure a 360° shield connection between the braid and the backshell when the two backshells are clamped together.

3. Attach the large cable tie around the cable braid and jacket. The cable tie sits in the indented pocket of the backshell.

4. Strip wires, add small heatshrink around individual wires, and solder the wires to the 26 pin connector per the wiring diagram that represents your motor (see motor connection tables on back page).

   Caution: Miswiring can damage the motor.

5. For brake versions: thread brake wires through the braid and out the end of the backshell. Note: for thicker diameter cables, the jacket may need to be cut out to allow a channel for the brake wires to exit the backshell.