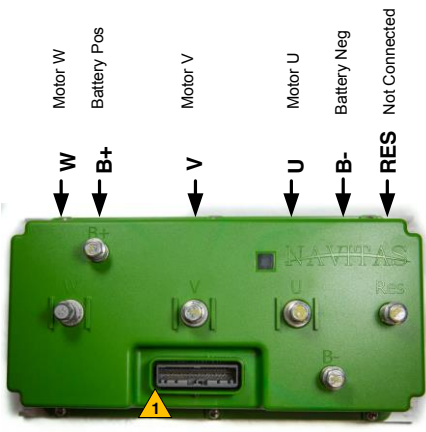


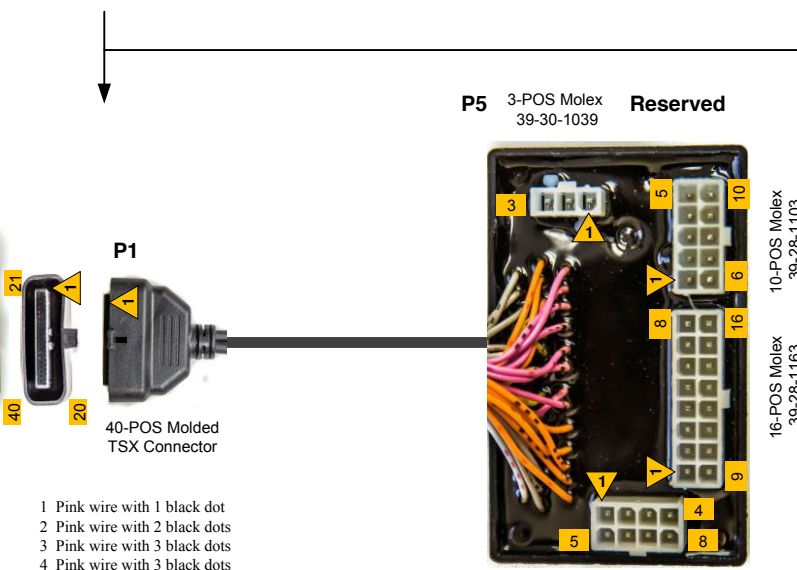
# TAC harness for EZGO TXT Conversion

## Navitas Part Number: 40-000548



**Navitas TAC AC Motor Controller**  
Controller Pinout (CP)

- 1 Digital Ground
- 2 +5V Output
- 3 Fused Ground
- 4 OnTheFly Programmer Regen Brake
- 5 Throttle Input
- 6 Analog Brake Input
- 7 Analog Ground
- 8 Reverse Switch Input
- 9 Digital Ground
- 10 Throttle Start Switch (Foot Switch)
- 11 OnTheFly Programmer Lock
- 12 Encoder Input C
- 13 Factory Programming
- 14 Serial RX Line
- 15 Serial TX Line
- 16 Digital Ground
- 17 Key Switch Input
- 18 Charger Interlock Input
- 19 Tow Switch Input
- 20 CAN +
- 21 Digital Ground
- 22 Logic Power
- 23 Analog Ground
- 24 Analog Ground
- 25 OnTheFly Programmer Acceleration
- 26 OnTheFly Programmer Speed
- 27 Motor Temperature Input
- 28 SOC Display Output
- 29 Analog Ground
- 30 +12V Output
- 31 Brake Switch
- 32 Encoder Input B
- 33 Encoder Input A
- 34 Forward Switch Input
- 35 Digital Ground
- 36 Reverse Buzzer Output
- 37 Motor Brake Solenoid Release
- 38 Main Solenoid Output
- 39 Brake Light
- 40 CAN-



- 1 Pink wire with 1 black dot
- 2 Pink wire with 2 black dots
- 3 Pink wire with 3 black dots
- 4 Pink wire with 3 black dots
- 5 Pink wire with 1 red dot
- 6 Pink wire with 2 red dots
- 7 Pink wire with 3 red dots
- 8 Pink wire with 4 red dots
- 9 Orange wire with 1 black dot
- 10 Orange wire with 2 black dots
- 11 Orange wire with 3 black dots
- 12 Orange wire with 4 black dots
- 13 Orange wire with 1 red dot
- 14 Orange wire with 2 red dots
- 15 Orange wire with 3 red dots
- 16 Orange wire with 4 red dots
- 17 Yellow wire with 1 black dot
- 18 Yellow wire with 2 black dots
- 19 Yellow wire with 3 black dots
- 20 Yellow wire with 4 black dots
- 21 Yellow wire with 1 red dot
- 22 Yellow wire with 2 red dots
- 23 Yellow wire with 3 red dots
- 24 Yellow wire with 4 red dots
- 25 Gray wire with 1 black dot
- 26 Gray wire with 2 black dots
- 27 Gray wire with 3 black dots
- 28 Gray wire with 4 black dots
- 29 Gray wire with 1 red dot
- 30 Gray wire with 2 red dots
- 31 Gray wire with 3 red dots
- 32 Gray wire with 4 red dots
- 33 White wire with 1 black dot
- 34 White wire with 2 black dots
- 35 White wire with 3 black dots
- 36 White wire with 4 black dots
- 37 White wire with 1 red dot
- 38 White wire with 2 red dots
- 39 White wire with 3 red dots
- 40 White wire with 4 red dots



**Navitas PN: 10-000686**  
**OnTheFly Programmer**

- P3**
- P1: (CP30) +12V PF
  - P2: (CP4) OTF Regen
  - P3: (CP26) OTF speed
  - P4: (CP25) OTF acceleration
  - P5: (CP2) +5V PF
  - P6: (CP11) OTF Lock
  - P7: (CP36) REV BUZ
  - P8: (CP7) Analog Ground

**P5** 3-POS Molex  
39-30-1039 **Reserved**

**P4**

**Navitas PN: 40-000580**  
**AC Motor Adapter**  
for 10-000726 Motor

- P4**
- P1: (CP2) +5V PF
  - P2: (CP33) Encoder Input A
  - P3: (CP32) Encoder Input B
  - P4: DGND
  - P5: NA
  - P6: (CP27) Motor Temperature Input
  - P7: AGND
  - P8: NA
  - P9: (CP17) Key Switch Input
  - P10: (CP37) Motor Brake Solenoid Release

**To OEM vehicle harness**  
**E-Z-GO TXT 48V-Curtis 1206HB**

**P2**

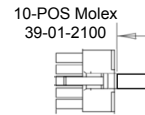
- P1: (CP3) Fused GND
- P2: ITS THROTTLE +
- P3: (CP3) Fused GND
- P4: NA
- P5: (CP18) Charger Interlock Input
- P6: (CP10) FOOT SW IN
- P7: (CP36) REV BU
- P8: (CP34) FORWARD IN
- P9: (CP22) LOGIC POWER IN
- P10: (CP17) KEY IN
- P11: NA
- P12: (CP38) MAIN SOLEN
- P13: NA
- P14: NA
- P15: NA
- P16: (CP8) REVERSE IN

**P5**

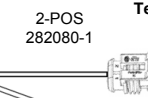
- P1: (CP17) KEY IN
  - P2: (CP5) THROT IN
  - P3: (CP34) FORWARD IN
- Reserved**

**Navitas PN: 40-000580**  
**AC Motor Adapter for 10-000726 Motor**

**To TAC Conversion Harness**



- P1: (CP2) +5V PF
- P2: (CP33) Encoder Input A
- P3: (CP32) Encoder Input B
- P4: DGND
- P5: NA
- P6: (CP27) Motor Temperature Input
- P7: AGND
- P8: NA
- P9: NA
- P10: NA



**To AC Motor**  
**Speed Sensor**  
**Temperature Sensor**

- P1: (CP27) Motor Temperature
- P2: AGND

- P1: (CP2) +5V PF
- P2: (CP32) Encoder Input B
- P3: (CP33) Encoder Input A
- P4: DGND