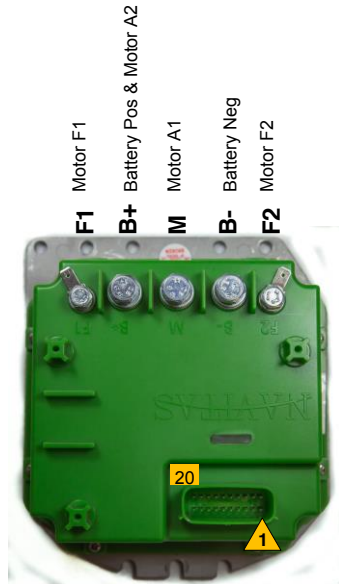


**TSX harness for EZGO PDS 36V
when using 4WD motor kit
Navitas Part Number: 40-000512**



Navitas TSX DC Shunt Controller

- P1: OTF LOCK
- P2: XCAN_N
- P3: XCAN_P
- P4: SPEED SENSOR SIGNAL
- P5: CHARGER INTERLOCK
- P6: REV IN
- P7: FWD IN
- P8: KEY
- P9: GND
- P10: LOGIC POWER
- P11: +5V EXT
- P12: OTF ACCELERATION
- P13: OTF SPEED
- P14: OTF REGEN
- P15: THROTTLE IN
- P16: +12V POLY
- P17: FOOT SWITCH
- P18: GND POLY
- P19: REVERSE BUZZER
- P20: LINE CONTACTOR



20 POS Molded
TSX Connector

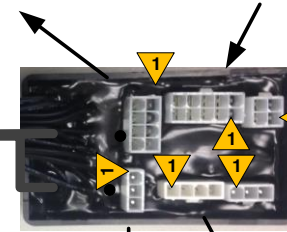
- P1: RED
- P2: RED/BLACK
- P3: WHITE
- P4: WHITE/BLACK
- P5: GREEN
- P6: GREEN/BLACK
- P7: BLUE
- P8: BLUE/BLACK
- P9: BROWN
- P10: BROWN/BLACK
- P11: ORANGE
- P12: ORANGE/BLACK
- P13: PURPLE
- P14: PURPLE/BLACK
- P15: PINK
- P16: PINK/BLACK
- P17: YELLOW
- P18: YELLOW/BLACK
- P19: GREY
- P20: GREY/BLACK

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

- P1: (CP16) +12V PF
- P2: (CP14) OTF Regen
- P3: (CP13) OTF speed
- P4: (CP12) OTF acceleration
- P5: (CP11) +5V PF
- P6: (CP1) OTF Lock
- P7: (CP19) REV BUZ
- P8: (CP18) AGND



8 POS Molex
39-29-9083



10 POS Molex
39-29-3106

**To OEM vehicle harness
EZGO PDS 36V**

- P1: (CP10) Logic Power
- P2: (CP6) Rev In
- P3: (CP7) Fwd In
- P4: (CP5) Charger Interlock
- P5: Ex_B+
- P6: (CP20) Line Contactor
- P7: (CP10) Logic Power
- P8: (CP8) Key
- P9: (CP10) Logic Power
- P10: To Buzzer

4 POS Molex
39-28-1043

- P1: Ex B+
- P2: (CP10) Logic Power
- P3: (CP19) Rev Buzzer
- P4: To Buzzer

3 POS Molex
39-30-1039

- P1: (CP18) GND Poly
- P2: (CP4) Speed Sensor
- P3: (CP16) +12V Poly

3 POS Molex
39-30-1039

- P1: (CP8) KEY
- P2: (CP15) THROTTLE IN
- P3: (CP7) FWD IN

4 POS Molex
39-30-2040

- P1: (CP17) Foot Switch
- P2: (CP10) Logic Power
- P3: (CP18) GND Poly (Throttle ITS (-))
- P4: ITS Throttle (+)