



**EV WEST**

# How To Guide

<b>SUBJECT:</b>  <b>Best practices for wiring the Duosida 32A J1772 Charge Port</b>	NUMBER: HTG-23-005
	DATE: March, 2023
	PRODUCT: DUOSIDA

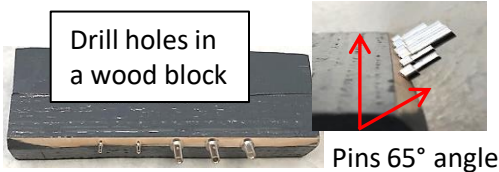
## PURPOSE

To have a standard wiring procedure for the J1772 charge port.

## AFFECTED PRODUCTS

DUOSIDA DSS-EV-32S-V3  
Other J1772 charge ports similar.

## RECOMMENDED TOOLS



T10 Torx driver



Wire strippers



1500 watt heat gun



260 watt solder iron  
OR



#2 Phillip screwdriver



Mini blow torch

## PARTS LIST



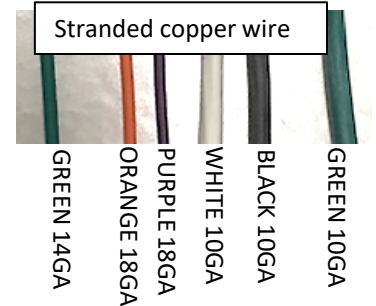
0.8mm 60/40 rosin core electrical solder



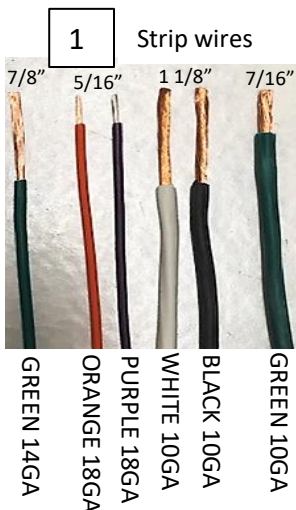
Heat shrink assortment sizes 5/32" to 3/4"  
Dry locations – standard  
Wet locations – adhesive lined



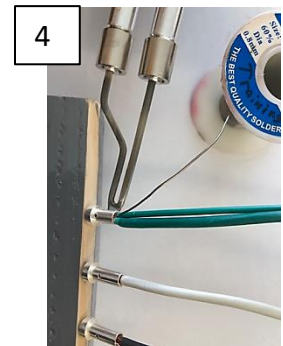
Charge port



## PROCEDURE



Insert wires into pins. They should push in by hand but be very tight. Weep hole faces up.



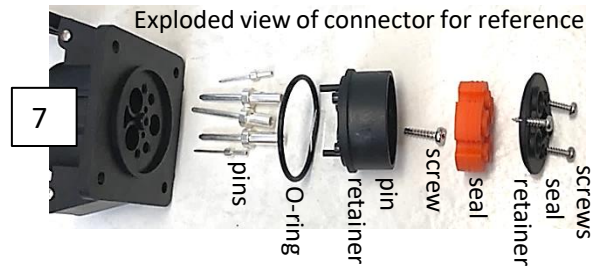
Feed about 1 foot of solder until it starts to come out the weep hole, then remove heat!



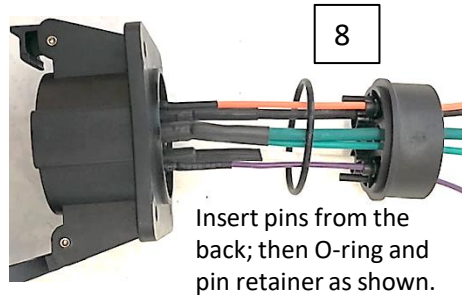
5 Check that solder does not interfere with pin fit



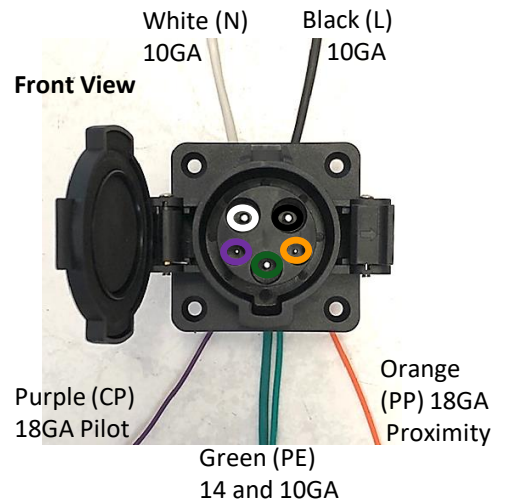
6 Add shrink tube as shown



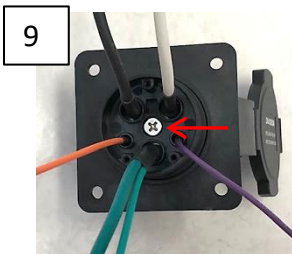
7 Exploded view of connector for reference



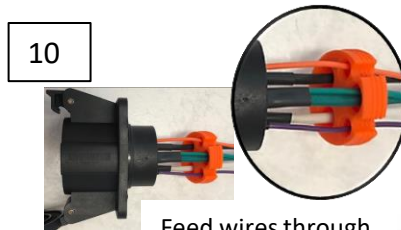
8 Insert pins from the back; then O-ring and pin retainer as shown.



White (N) 10GA  
Black (L) 10GA  
Purple (CP) 18GA Pilot  
Green (PE) 14 and 10GA  
Orange (PP) 18GA Proximity

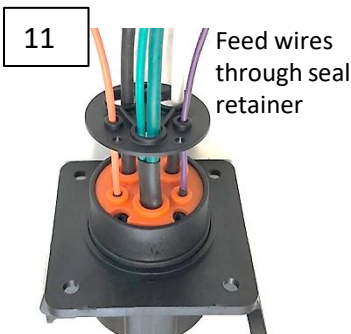


9 Install retainer screw

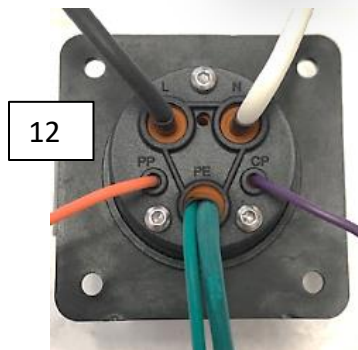


10 Feed wires through seal and install

Completion process for **dry** location steps 13-14



11 Feed wires through seal retainer



12 Back view, install seal retainer screws



13 Install 1/2" shrink tube

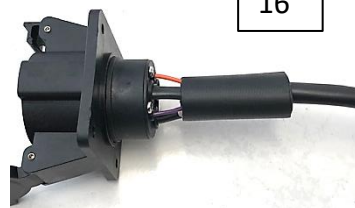


14 Install rear cover

Completion process for **wet** location steps 15-17



15 Install 3/8" ID vinyl tube



16 Measure enough adhesive lined 3/4" shrink tube to exit rear cover. Heat the shrink tube, not the vinyl tube.



17 Install rear cover and tighten gland nut

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