

CSC Encore TPMS Module Installation.

Manual Transmission

2/3/2023

The TPMS module has one purpose.

1. It permanently turns off the TPMS (Tire Pressure Monitoring System) light on the dash of the trike. **The low-pressure warning light and pressure display for the front wheel will continue to function as normal.** The rear wheel pressure display will permanently read 0 psi.

Notes:

Adding this module to the Encore trike modifies critical electrical circuitry in the Honda wire harness. If not done correctly it can cause the motorcycle to not start or run. Therefore, these instructions must be followed exactly as they are shown below.

If this module were to fail, it can be bypassed by simply unplugging the CSC wire harness from the “active” connector on the module and then plugging back into the “passive” connector on the module. This returns all electrical functions back to OEM Honda specs.

When your motorcycle was converted to a trike, the functionality of the rear tire pressure monitor was disabled. Please check your rear tire pressures on a regular basis. Recommended tire pressures for typical riding loads is as follows: 215/45-17 tires: 25psi, 205/55-16 tires: 27psi.

Installation Procedure:

1. Remove left side (battery) cover, right side cover and trike seat.
2. Disconnect negative battery cable.
3. Remove trike fuse box (see picture 1).
4. Remove rear fuse box cover and connect TPMS harness eyelets to appropriate screw terminals. Red wire to the upper screw and Black wire to the lower screw. (see pictures 2,3).
5. Make sure wires are neatly routed out of fuse box opening with OEM harness and **not** pulled tightly, then reinstall fuse box cover.
6. Reinstall fuse box.
7. Route harness under trike frame tube and under seat area.
8. Find the CAN BUS junction connector in the under-seat area (see picture 5).
9. Remove covering around the wire harness coming out of connector and expose the wires.
10. Identify the correct red and white wire pair (see picture 4) and cut them approximately in the middle of the exposed section or wherever allows for the most access for splicing.
11. Connect the wires (red/black stripe and white/black stripe) from the CSC harness to the OEM Honda wire harness corresponding wires (red/black to red and white/black to white). Use lineman’s splice (see picture) and heat shrink/solder supplied connectors. **Do not use any other type of connector.** Use included aluminum sheet for a heat shield while shrinking connector if required. **Be careful not to melt OEM wire insulation.**
12. Connect the wires (red and white) from the CSC harness to the OEM Honda connector corresponding color wires. Use lineman’s splice and heat shrink/solder supplied connectors. **Do**

not use any other type of connector. Use included aluminum sheet for a heat shield while shrinking connector if required. **Be careful not to melt OEM wire insulation.**

13. Replace all wire covering and add electrical tape if necessary.
14. Replace CAN BUS junction connector.
15. Plug module into CSC harness on the “passive” side and temporarily place module.
16. Reattach negative battery cable.
17. Start trike and verify all lights work and transmission notifications are present.
18. Turn off trike.
19. Reconnect CSC harness to “active” side of module. Permanently place module.
20. Start trike to test for TPMS rear tire pressure (should read 0).
21. Replace all body parts and seat.
22. Test ride trike.
23. Finished.

Enjoy the Ride!

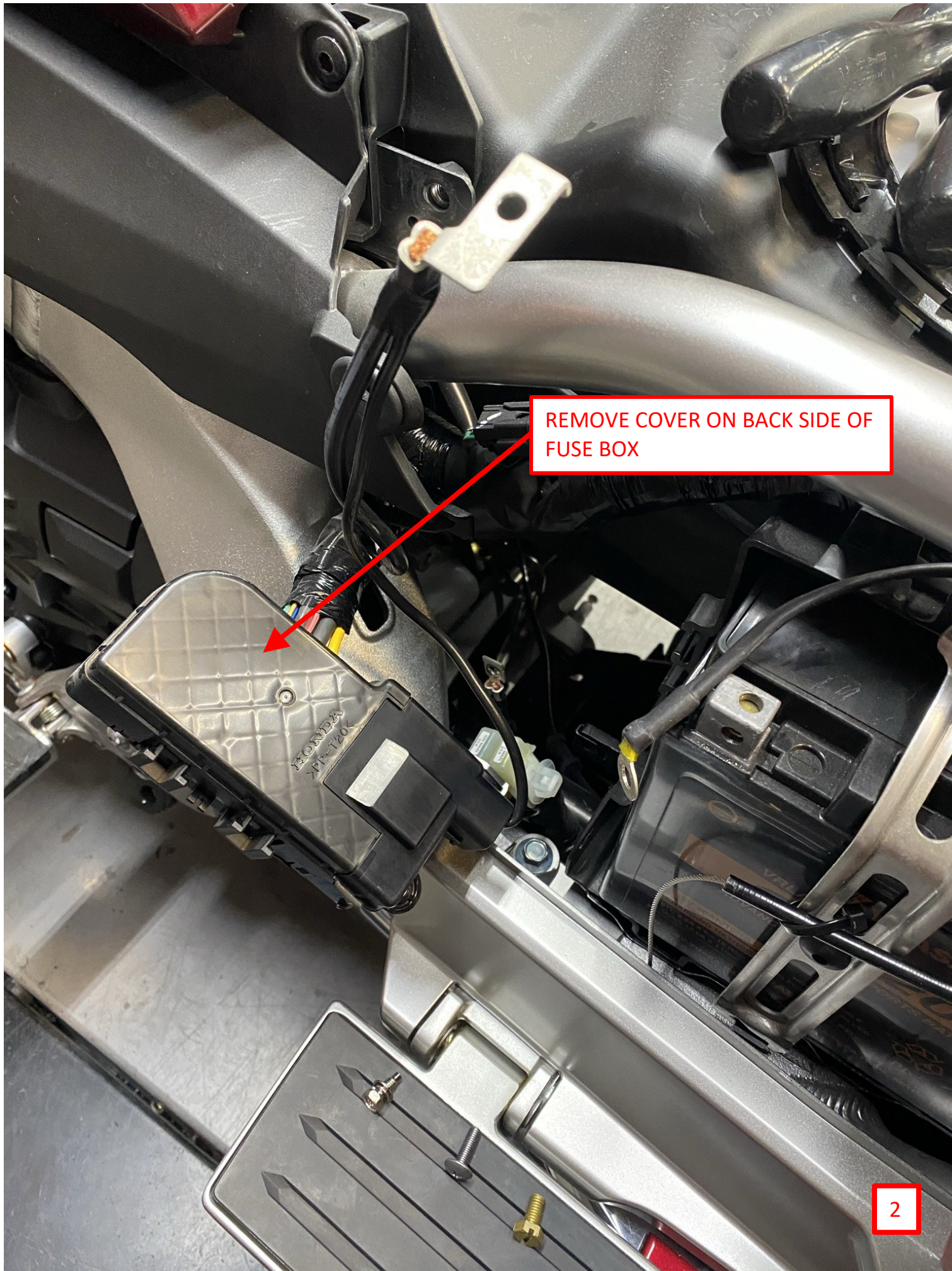
Items included in upgrade kit.

- (1) TPMS/DCT Module (ELC-50350)
- (1) Wire Harness (ELC-55721)
- (5) Solder/Shrink Splice Connectors (ELC-22903)
- (3) Small Zip Ties
- (2) Large Zip Ties
- (1) Aluminum Sheet (BDY-0013)



UNCLIP FUSE HOLDERS

REMOVE SCREWS TO GAIN ACCESS TO BACK SIDE OF FUSE BOX



REMOVE COVER ON BACK SIDE OF FUSE BOX

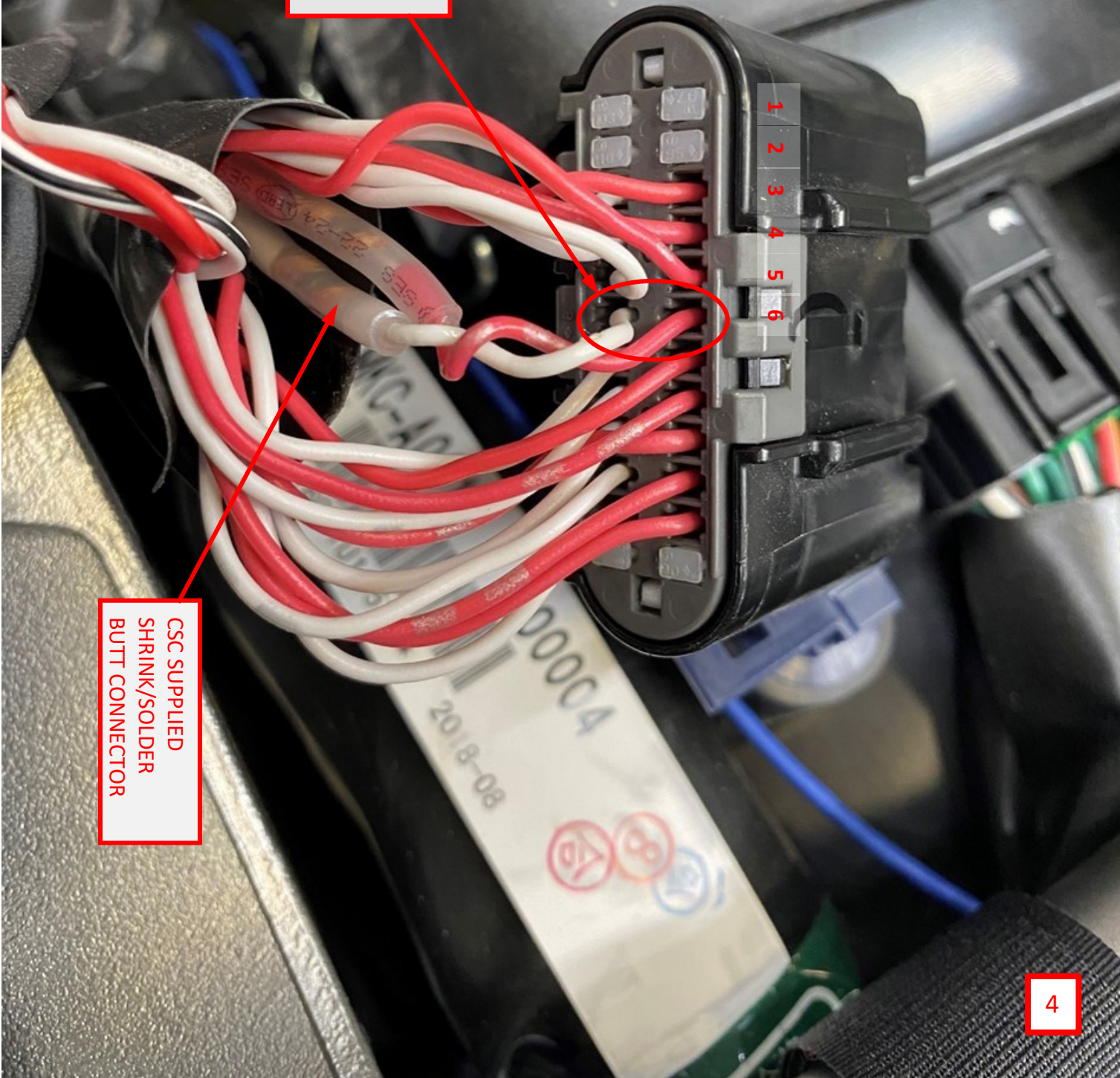


TPMS HARNESS WIRES INSTALLED IN FUSE BOX

NOTE: DIFFERENT YEARS AND MODELS OF GOLDWING WILL HAVE DIFFERENT WIRE PINOUTS IN THIS CONNECTOR. THIS DOES NOT MATTER. THE WIRES TO SPLICE WILL ALWAYS BE THE PAIR IN THE 6TH POSITION FROM THE LEFT.

CAN BUS CONNECTOR
PAIR TO BE SPLICED. ALWAYS THE RED AND WHITE PAIR IN THE 6TH POSITION FROM THE LEFT AS SHOWN

CSC SUPPLIED SHRINK/SOLDER BUTT CONNECTOR

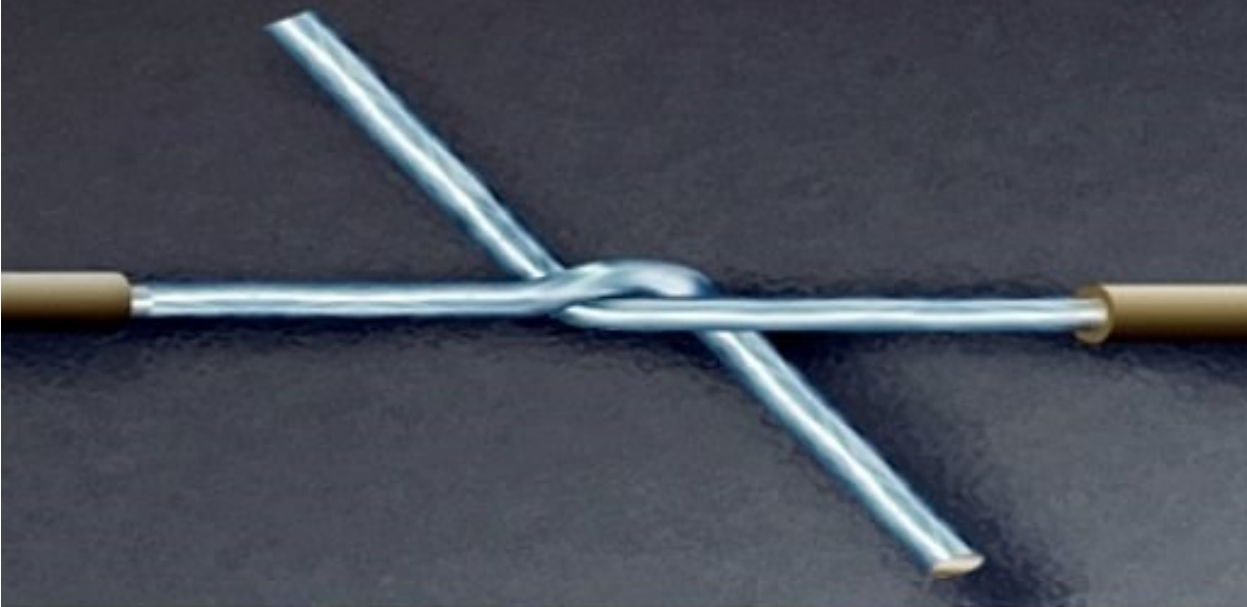




CAN BUS CONNECTOR

FINAL INSTALLATION

Lineman's Splice



6

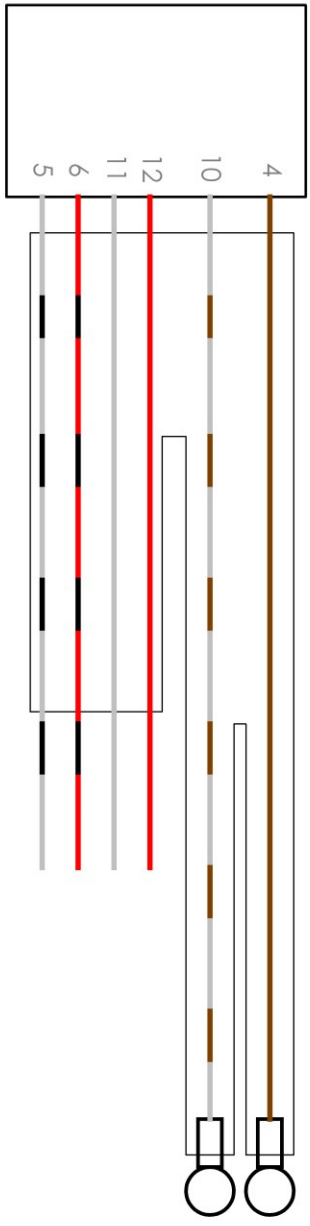
5

4

3

2

1



WIRE COLORS	
BROWN	12V SWITCHED WITH IGNITION (RED WIRE COVER)
WHITE/BROWN	GROUND (BLACK WIRE COVER)
RED	BUS CONNECTOR
WHITE	BUS CONNECTOR
RED/BLACK	WIRE HARNESS (TO SCU)
WHITE/BLACK	WIRE HARNESS (TO SCU)

UNLESS OTHERWISE SPECIFIED:
 ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING.
 ALL THREAD FITS TO BE 2A (EXTERNAL) OR 2B (INTERNAL)

TOLERANCES:

DECIMAL: X.XXX ± 0.010

FRACTIONAL: 1/8

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TITLE

WIRE HARNESS, TPMS ONLY, ENCORE

100 MOTORCYCLE RUN, ARRINGTON, VA 22922

California Side Car inc.

SIZE

A

PART NUMBER

ELC-55721

VENDOR DRW NUMBER

SCALE

1:1

REV

E

SHEET

2 OF 2

APPROVALS

DATE

DRAWN BY
TODD WIGHTMAN

Dec 03, 2020

CHECK

APPROVED