



Custom Dynamics® TruBEAM® Amber/ White LED Halo Passing Lamp Installation Instructions

We thank you for purchasing the Custom Dynamics® Amber/ White LED Halo Passing Lamp. Our products utilize the latest technology and high quality components to ensure you the most reliable service. We offer one of the best warranty programs in the industry and we back our products with excellent customer support, if you have questions before or during installation of this product please call Custom Dynamics® at 1(800) 382-1388.

**Part Number: CDTB-45-AW-1B
CDTB-45-AW-1C**

Package Contents:

- LED Halo Passing Lamp (2)
- AW Converter Harness (2)
- 8" Chrome Wire Tie (4)

Fitment: 2014- 2020 Harley-Davidson® Ultra Classic (FLHTCU), Ultra Classic Low (FLHTCUL), Ultra Limited (FLHTK), Ultra Limited Low (FLHTKL), CVO Limited (FLHTKSE), Tri Glide (FLHTCUTG) and CVO Tri Glide (FLHTCUTGSE).

⚠ ATTENTION ⚠

Please read all Information below before Installation

Safety First: Make sure the bike is parked on a level surface and bike 's mechanical components are cool to the touch. To prevent electrical shock, disconnect the negative battery terminal from the battery before beginning installation.

Note: You will have to remove the outer front fairing in order to complete this installation. Please refer to your manufacturer service manual if unsure of this procedure.

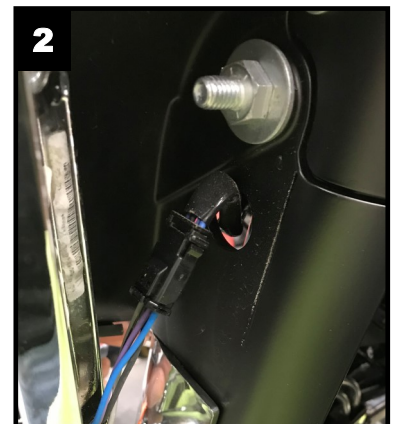
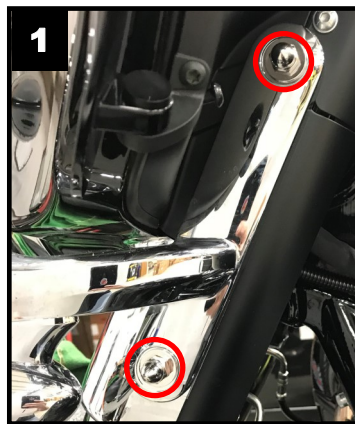
Notice: This product is designed and intended for use as auxiliary lighting on motorcycles only. This product is NOT intended to replace any original equipment lighting installed on the motorcycle and should not be used for that purpose. This product must be wired such that it does not interfere with any original equipment lighting.

Installation

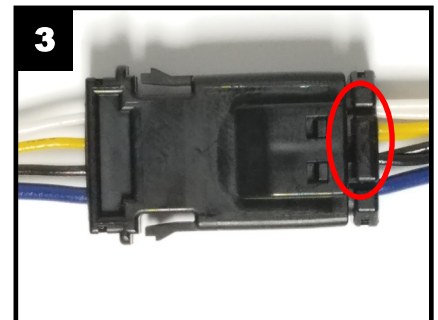
1. Carefully remove all components from the packaging. Un-ravel the wire bundles on EACH passing lamp.
2. Remove both of the stock passing lamp trim rings and passing lamps from the passing lamp housings.

Installation Continued:

3. Remove the 1/2" nuts that secure the turn signal and passing lamp assembly to the fork shown in Picture 1. Store 1/2" nuts in a safe place for reinstallation later. Pull assembly away from the fork to reveal the black wiring connector as shown in Picture 2.



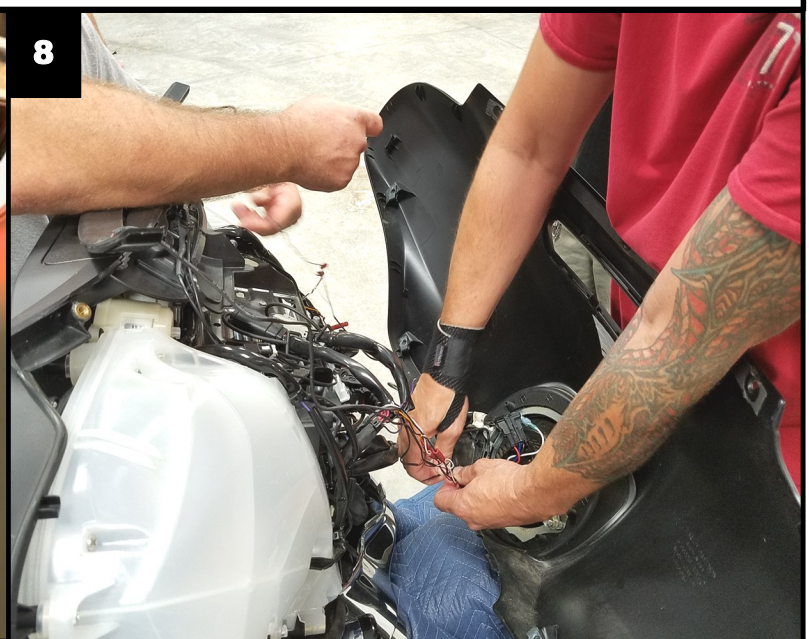
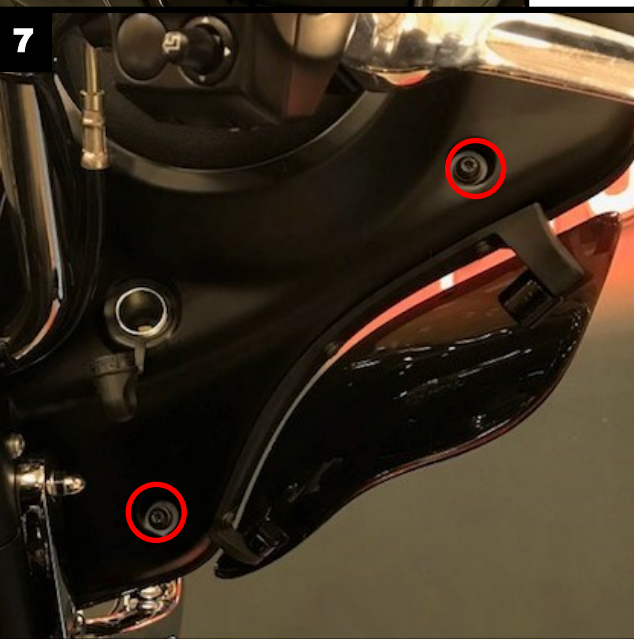
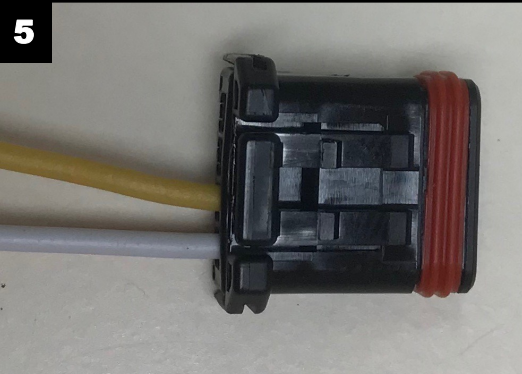
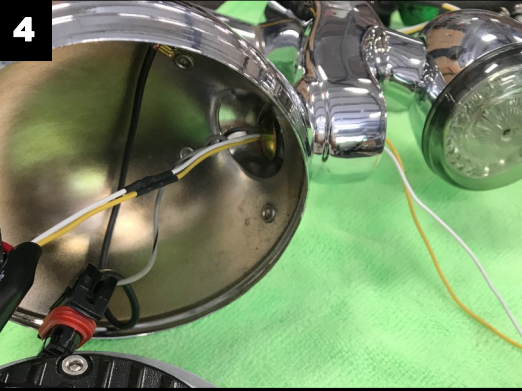
4. Unplug the connector by pushing in on the tab located on the male side of the connection as shown in Picture 3. Push the tab and pull apart both sides at the same time. Remove the turn signal and passing lamp assembly from the bike completely and store in a safe place for reinstallation.



5. Repeat steps 4 and 5 on the opposing side turn signal and passing lamp assembly.
6. With the Passing Lamp assembly laying on a flat surface, thread the Yellow and White wire from the passing lamp through the passing lamp housing mounting stud as shown in Picture 4.
7. Slide the provided heat shrink over the Yellow and White wire and install the wire pins into the connector as shown in Picture 5.
8. Install the passing lamp into the housing and reinstall the passing lamp trim ring.
9. Remove the top 3 T27 Torx Bolts from the outer fairing as shown in Picture 6. Remove the windshield and store it in a safe place for reinstallation later.

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Installation Instructions - Page 2



10. Reinstall the center T27 Torx Bolt only that were removed in Step 9. Lightly tighten the center bolt to secure the fairing while you remove the remaining 4 inner fairing bolts.
11. Remove the 2 T27 Torx bolts from the left and the right side of the inner fairing as shown in Picture 7. Save the bolts for reinstallation.
12. While standing in front of the bike and holding the fairing, remove the center outer fairing T27 Torx bolt and pull the fairing slightly away from the bike.
13. With the fairing slightly pulled away from the bike, disconnect the connector from the headlamp as shown in Picture 8. Lay the fairing on a protected flat surface to prevent damage.
14. With the fairing removed, connect the pass-through side of the AW Converter Harness to the factory turn signal wiring harness. To do this, plug in the male end of the pass-through portion of the AW Converter harness into female connector on the turn signal factory wiring harness as shown in Picture 9. Repeat step for the opposing side.
15. Push the female plug on the pass-through portion of the AW Converter harness into the hole in the fork frame and plug it into the male connector from the turn signal and passing lamp assembly as shown in Picture 10. Reinstall the turn signal and passing lamp assembly onto the fork frame and secure with the original 1/2" nuts. Repeat step for the opposing side.
16. Connect the passing lamp harness to AW Converter. With the chrome zip ties provided, secure the passing lamp harness to the turn signal and passing lamp assembly as shown in Picture 11. Secure the harnesses inside the fairing to prevent the wires from being damaged during the fairing installation as shown in Picture 12.
17. Cover the passing lamps with a soft cloth to protect them and the fairing from being damaged during the fairing installation.
18. Reinstall the fairing and windshield in the reverse order that it was removed. **NOTE: THE 4 INNER FAIRING BOLTS ARE TWO DIFFERENT LENGTHS!** The 2 longer bolts go in the top holes and the 2 shorter bolts go in the bottom holes of the inner fairing.
19. This LED product is BCM compliant. However, you must run the 4 way hazard flashers for 3 minutes with the ignition in the OFF position to allow the BCM to sync the new load of the passing lamps.
20. Check operation of the Amber/White LED Halo Passing Lamp Trim Rings, turn signals and passing lamps in all modes.

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Installation Instructions - Page 3

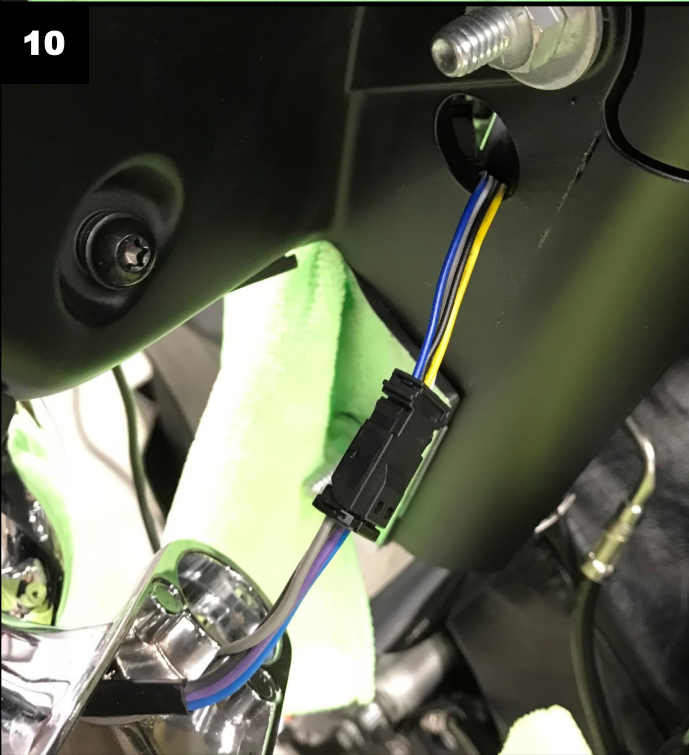
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