

Custom Dynamics® Smart Triple Play® Installation Instructions



Part Numbers

CD-STP-14CVO

Package Contents

Custom Dynamics® Smart Triple Play® Module (1)
6" Cable Ties (6)
Instructions (1)



Fitment

2014-2022 Harley-Davidson® CVO™ Street Glide® (FLHXSE), 2014 CVO™ Road King® (FLHRXSE) and 2018-2022 CVO™ Road Glide® (FLTRXSE) with OEM LED Panels.

Suggested Tools

Safety Glasses
Small Phillips Screwdriver

Installation

Warning

Rider and passenger safety depend upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a qualified technician perform the installation. Improper installation of this kit could result in death or serious injury.

1. Remove seat and disconnect negative battery cable from the battery. Locate the rear lighting harness connector under the seat.
2. Plug the Smart Triple Play® Module, in-line, into the rear lighting harness under the seat. The MPR-BCM-PLUG plug and play adapter that is packaged with the BAGZ™ and LATCHLIGHTZ™ is **NOT** used during this installation unless your BAGZ™ are Sequential or Dual Color.
3. Reconnect the negative battery cable to the battery.
4. Locate a secure place for the Smart Triple Play® unit that will not interfere with the secure placement of the seat or side cover. Secure with cable ties, tape or other means so the unit will not move.
5. Perform a BCM Sync by turning the ignition on, turn the 4 way hazards on, turn the ignition off. Allow the 4 way hazards to run for 3-4 minutes. Turn the ignition on. Turn the 4 way hazards off. Turn the ignition off.

Important

The Smart Triple Play® will cause the BAGZ™, LATCHLIGHTZ™ and OEM LED Panels to flash/strobe when the brake is applied. If you have Sequential or Dual Color BAGZ™, the MPR-BCM-PLUG plug and play adapter will plug in before the Triple Play®; The red brake strobe wire with Posi-Lock is a brake only strobe output and can be utilized to strobe Sequential or Dual Color BAGZ™. Refer to the **Wiring Diagram in Figure 1** for an example of connections.

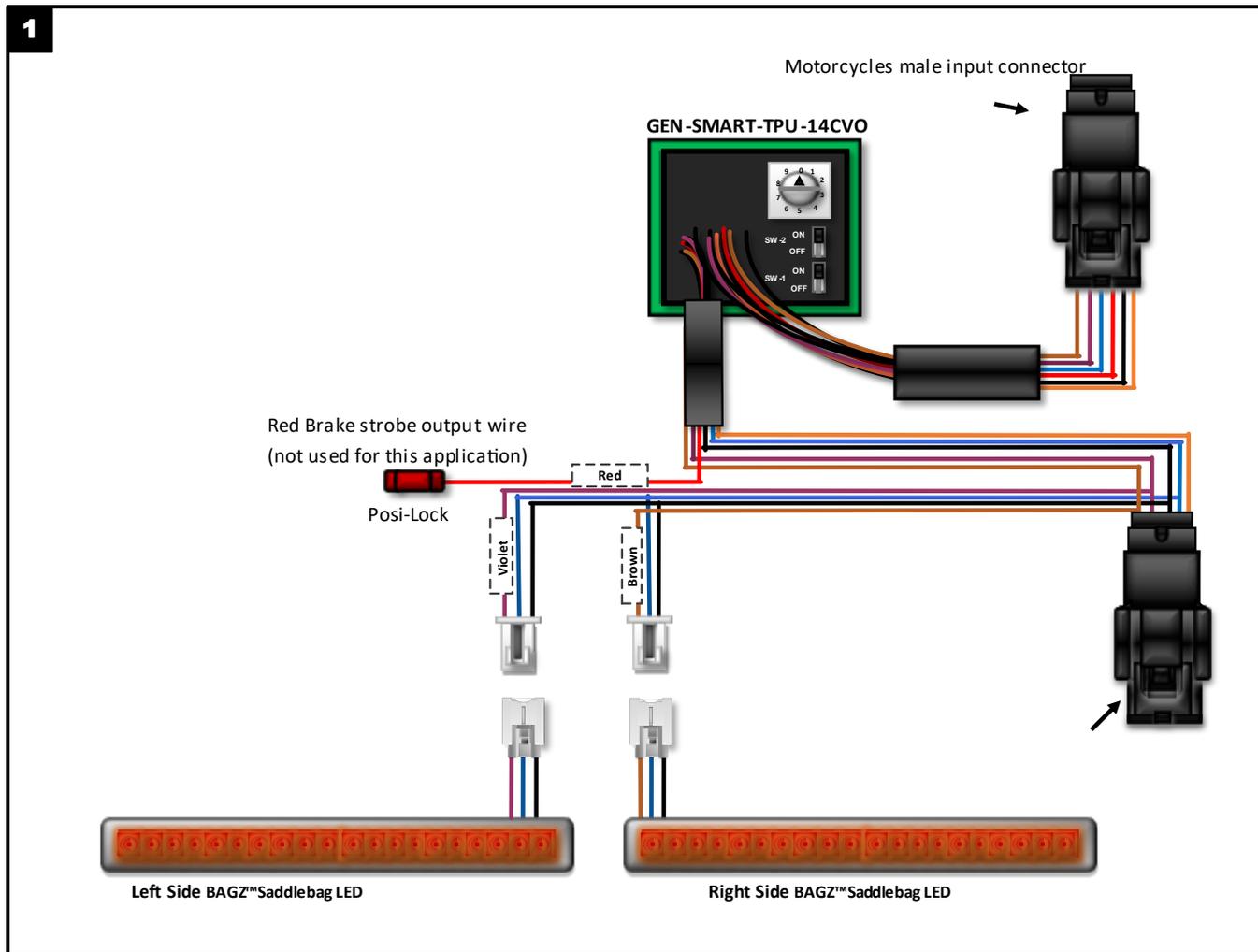
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Installation Instructions Continued - 2

Note

Two accessory ports extend from the output side of the Smart Triple Play® module allowing for plug and play installation of Custom Dynamics® rear lighting products. When installing Custom Dynamics® rear lighting products, simply plug in the left side (violet) and right side (brown) female accessory port from the Smart Triple Play® to the corresponding male connectors on the rear lighting product; adapter harness included with rear lighting products not needed. If rear lighting products are not being installed, these accessory ports will not be utilized. PN: CD-TPU-EXT can be purchased separately to install up to three lighting products if needed.

Wire Diagram



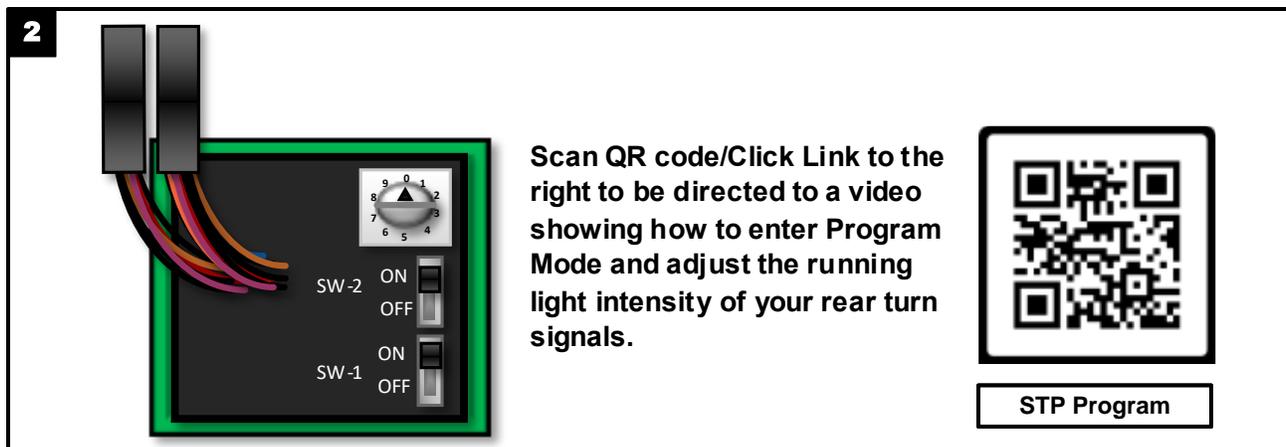
Initial Setup and Operation

Important

SW-1 and SW-2 should be maneuvered by hand only. Do not use any tool such as a screwdriver that could damage waterproof covers. Use a small Phillips screwdriver to maneuver the rotary dial.

Installation Instructions Continued - 3

6. Locate the two switches and rotary dial. Be sure the rotary dial is set to position 0. There is small arrow on the dial, this is the pointer that should now be at position 0. Be sure Switch 1 and Switch 2 are both in the ON position. Shown in **Figure 2**.
7. Perform a BCM turn signal sync by turning the ignition on, turn the 4 way hazards on for three sets of 10 flashes to Sync the BCM to eliminate the rapid flash in the dash.
8. Turn the ignition key on and check operation as follows:
 - Running Lights: Turn signals and taillight should now be illuminated. If your rear turn signals are not illuminating as a running light, or you would like to change the brightness, please refer to Step 9.
 - Apply right turn signal and check operation of right turn signal, should flash off to bright. Disable turn.
 - Apply left turn signal and check operation of left turn signal, should flash off to bright. Disable turn.
 - Apply brake light and check to see that all 3 lights flash 4 times then remain bright.
 - Apply left turn signal then apply brake and check to see that only center light flashes 4 times then remains bright.



9. The Smart Triple Play® allows you to program the running light brightness of the turn signals so they match the brightness of your center taillight. You can also select to have the turn signals operate as brake/turn only with no running light.

Program Turn Signal intensity

2019 and Earlier Models

- Turn ignition key off, be sure Switch 1 and Switch 2 are in the OFF position and the Rotary Dial in in the 0 position.
- Turn ignition key on, immediately turn Switch 2 On-Off-On. Then turn Switch 1 On-Off-On. Do not depress Brake or Turn Signals during this action.
- The turn signals should now slowly fade from dim to bright, do not proceed unless this confirmation takes place.

Option 1 - Turn the rotary dial clockwise to increase the brightness of the running lights, 0-being the dimmest setting and 8-being the brightest. Match the running light brightness to the taillight. Once happy with the setting, press and hold the brake for a couple of seconds. The setting will now be saved.

Note

Setting 9 on the rotary dial will not be used on these models. Programming the SMART Triple Play® to setting 9 will cause the motorcycle to lose run light function on all rear lighting.

2020 and Later Models

- Turn ignition key off, be sure Switch 1 and Switch 2 are in the OFF position and the Rotary Dial is in the 0 position.
- Disconnect the Smart Triple Play® from the motorcycles front harness.
- Turn ignition key on.
- Reconnect the Smart Triple Play® to the motorcycles front harness.
- Immediately turn Switch 2 On-Off-On. Then turn Switch 1 On-Off-On. Do not depress Brake or Turn Signals during this action.
- The turn signals should now slowly fade from dim to bright, do not proceed unless this confirmation takes place.

Option 1 - Turn the rotary dial clockwise to increase the brightness of the running lights, 0-being the dimmest setting and 8-being the brightest. Match the running light brightness to the taillight. Once happy with the setting, press and hold the brake for a couple of seconds. The setting will now be saved.

Note

Setting 9 on the rotary dial will not be used on these models. Programming the SMART Triple Play® to setting 9 will cause the motorcycle to lose run light function on all rear lighting.

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Installation Instructions Continued - 4

10. Turn ignition key OFF and set switches for desired strobe operation.
11. Clear DTC's (Diagnostic Trouble Codes)

Note

Clear DTC's only if feature is available.

- Press and hold the trip odometer reset switch located on the left handlebar control, while turning the IGN ON.
- Release the trip odometer reset switch when "DIAG" appears on the ODOMETER DISPLAY.
- Press and release the trip odometer reset switch until "BCM" is displayed on the odometer display. "BCM Y" = Yes DTC set. "BCM N" = No DTC set.
- If "BCM Y" is displayed, press and hold the trip odometer reset switch until the code is displayed and release.
- Press and hold the odometer reset switch while the DTC is displayed until "CLEAR" appears on odometer display.
- Turn the IGN OFF to exit the diagnostic mode.

Strobe Operation Switch Functions

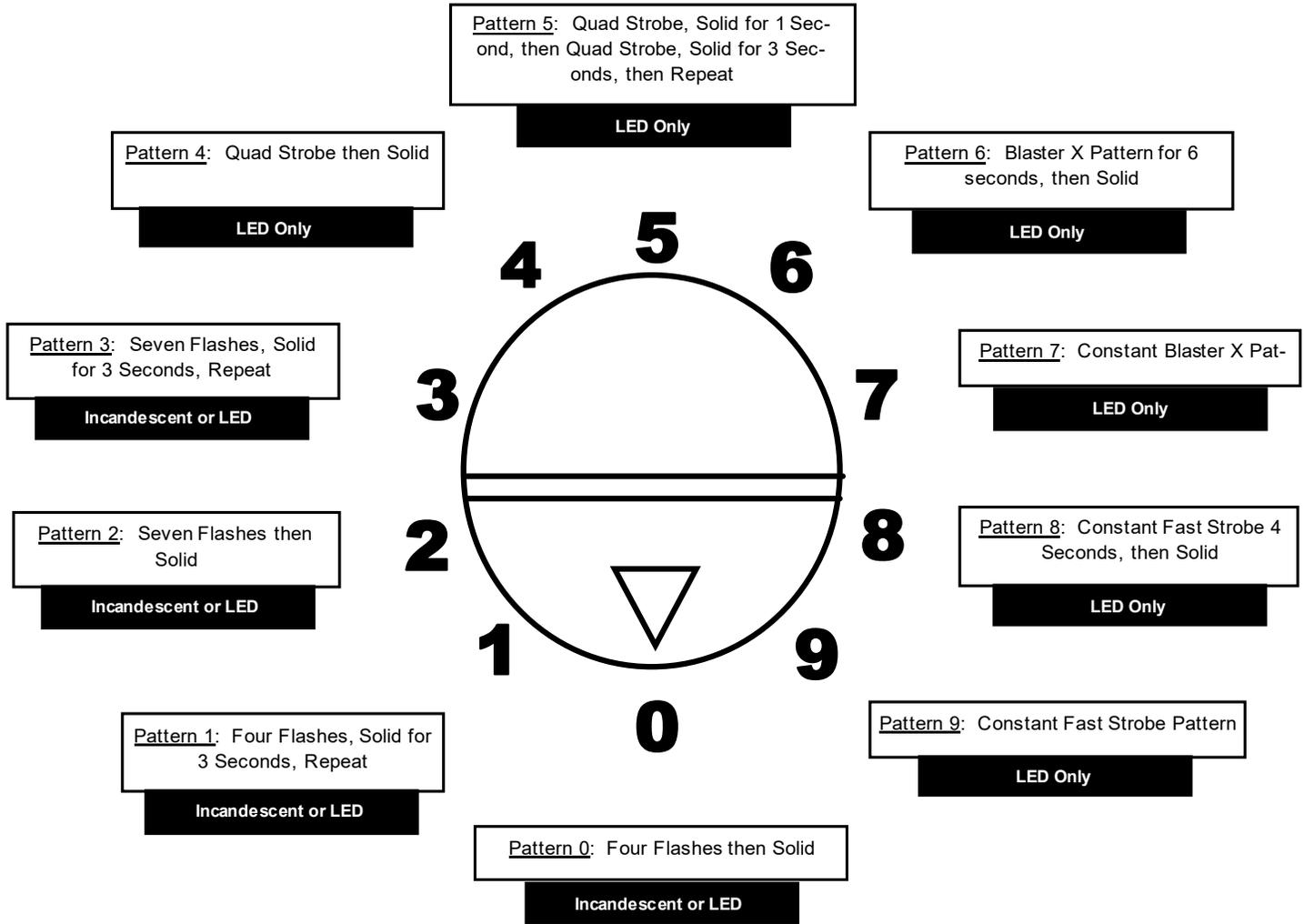
- Switch 1 On, Switch 2 On: Strobes/Flashes on all three Rear Lights.
- Switch 1 On, Switch 2 Off: Strobes/Flashes on rear turn signals only.
- Switch 1 Off, Switch 2 On: Strobes/Flashes on center light only.
- Switch 1 Off, Switch 2 Off: No Strobes/Flashes.

Note

Patterns 0-3 are compatible with incandescent bulbs. Shown in **Flash Pattern Diagram**.

12. Turn ignition key on and Test Operation based on your desired switch settings. Once programming is complete, reinstall the seat and all necessary parts. Installation is complete.

Flash Pattern Diagram



Caution

Never install a trailer adapter, trailer harness or trailer controller on the output side of this unit, a trailer adapter, harness or controller must be installed on the input side of this unit.
 This unit is designed for a maximum load of 27 watts per channel. Do not exceed 27 watts per left turn signal output, 27 watts per right turn signal output, and 27 watts per brake signal output. Overloading unit could cause damage to the unit and cause the unit to malfunction.

Note

Product is Not DOT approved.