

Custom Dynamics® Smart Triple Play® Installation Instructions



Part Numbers

CD-STP-23TP

Package Contents

Custom Dynamics® Smart Triple Play® Module (1)
Adapter Harness (2)
6" Cable Ties (6)
Instructions (1)



Fitment

2023-2024 Harley-Davidson® CVO Street Glide (FLHSXE), CVO Road Glide (FLTRXSE), 2024 Street Glide (FLHX), Road Glide (FLTRX) and CVO Road Glide ST (FLTRXSTSE) with add on 14-Later Tour Pak® and CD-TP-QD-23 harness (**sold separately**).

1997-2013 Harley-Davidson® Electra Glide, Ultra Classic, Ultra Limited models (Including CVO), Road King (FLHR), Road King Classic (FLHRC), Road Glide Ultra (FLTRU) and CVO Road Glide Ultra (FLTRUSE), 1997-2009 Road Glide Standard (FLTR), 2006-2009 Street Glide (FLHX) and 2010-2013 Tri Glide with add on 14-Later Tour Pak® with CD-TP-QD-HD14 harness (**sold separately**).

2010-2013 Harley-Davidson® Street Glide (FLHX) and Road Glide (FLTRX) with add on 14-Later Tour Pak® and CD-TP-QD-SS614 harness (**sold separately**).

2014-2022 Harley-Davidson® Road King (FLHR), 2022-2023 Street Glide ST (FLHXST), Road Glide ST (FLTRXST), 2015-2022 CVO Street Glide (FLHXSE), 2018-2022 CVO Road Glide (FLTRXSE), 2019-2022 Electra Glide Standard (FLHT) and 2014 CVO Road King (FLHRSE) with add on 14-Later Tour Pak® and with CD-TP-QD-14 harness (**sold separately**).

Suggested Tools

Safety Glasses

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 to gain access to Tour-Pak® wiring harness.
2. Disconnect negative battery cable from the battery.
3. Locate and plug the Smart Triple Play® module, in-line, into the Tour-Pak® wiring harness (**CD-TP-QD-23, CD-TP-QD-HD14, CD-TP-QD-SS614 or CD-TP-QD-14 sold separately**). Shown in **Figure 1**.
4. Reconnect the negative battery cable to the battery.
5. 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 to prevent wires from being cut, frayed, or pinched.

Questions? Email: Info@CustomDynamics.com or Call us at: 1(919)554-0949 M-TH 8:30AM-5:30PM, F 9:30AM-5:30PM EST

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6. Perform a BCM Sync (**CanBus Models Only**) by turning the ignition **ON**. Turn 4 way hazards on and count 10 flashes and deactivate. Turn on 4 way hazards for another 10 flashes and deactivate. Turn ignition **OFF** then back **ON**, turn 4 way hazards on for another 10 flashes and deactivate.

Note

After performing BCM Sync, turn ignition ON and check dash indicators operation and make sure they are not Rapid Flashing.

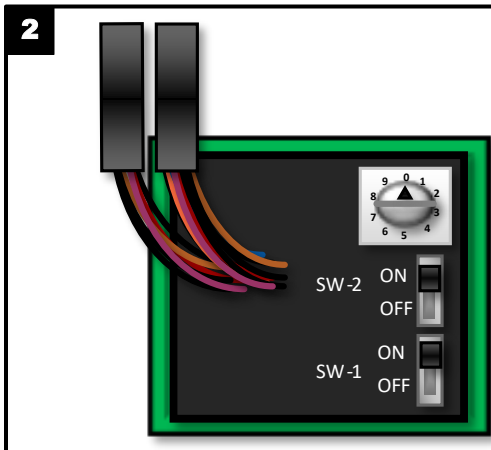


Initial Setup and Operation

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.

7. Locate the two switches and rotary dial. Be sure the rotary dial is set to position 0. There is a 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**.
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. If no center tail light is applicable, when the left turn signal is on and the brake is applied, the right side turn signal will stop strobing. This is normal operation.



Scan QR code/Click Link to the right to be directed to a video showing how to enter Program Mode and adjust the running light intensity of your rear turn signals.



STP Program

- The Smart Triple Play® allows you to program the running light brightness of the Tour Pak® so they match the brightness of your rear 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 Tour Pak® lighting brightness to the rear lighting. Once happy with the setting, press and hold the brake for a couple of seconds. The setting will now be saved.
 - Option 2** - To disable the run function and receive only brake and turn signal function on the Tour Pak® lighting (output brown and violet wires), turn the rotary dial to 9. Press and hold the brake for a couple of seconds. The setting will now be saved.

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 input side of the Smart Triple Play® from the motorcycles front harness.
- Turn ignition key on.
- Reconnect the input side of 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 Tour Pak® lighting brightness to the rear lighting. Once happy with the setting, press and hold the brake for a couple of seconds. The setting will now be saved.
 - Option 2** - To disable the run function and receive only brake and turn signal function on the Tour Pak® lighting (output brown and violet wires), turn the rotary dial to 9. Press and hold the brake for a couple of seconds. The setting will now be saved.

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

- 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

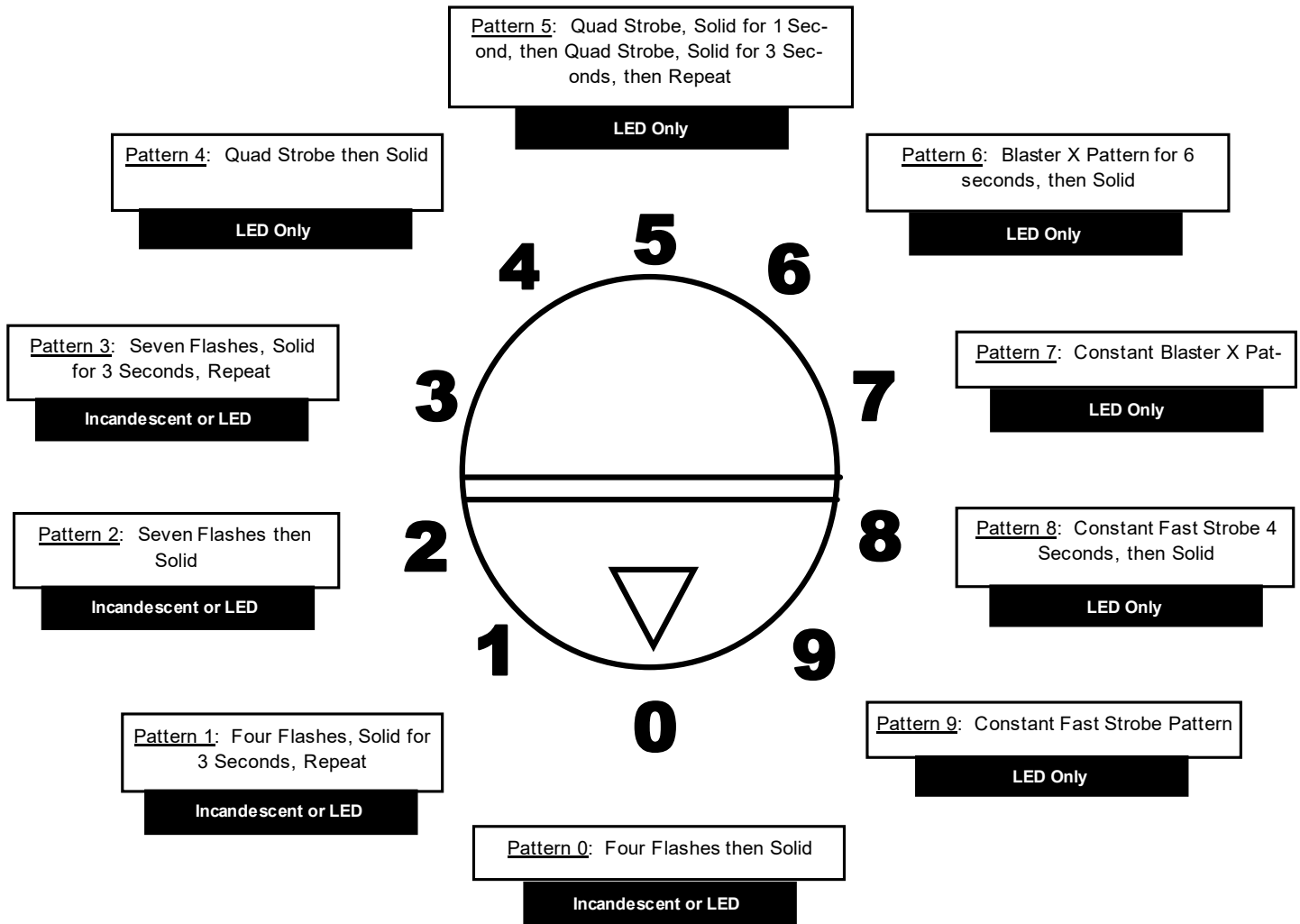
- Switch 1 On, Switch 2 On: Strobes/Flashes on all Tour Pak® lights.
- Switch 1 On, Switch 2 Off: Strobes/Flashes on Tour Pak® turn signals only.
- Switch 1 Off, Switch 2 On: Strobes/Flashes on Tour Pak® center light only.
- Switch 1 Off, Switch 2 Off: No Strobes/Flashes.

Note

Patterns 0-3 are compatible with incandescent bulbs. Pattern 4 does not match Magic Strobe pattern 4. Shown in **Flash Pattern Diagram**. If installing with **PB-TP-SEQ-R/S**, program the Smart Triple Play® for brake/turn function only, and disable the run function.

- 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.