

# Custom Dynamics® Smart Triple Play® Installation Instructions

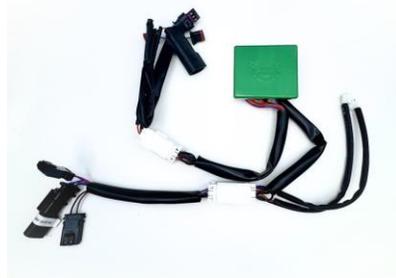


## Part Numbers

CD-STP-18ST

## Package Contents

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



## Fitment

2018-2024 Harley-Davidson® Softail Heritage Classic (FLHC/FLHCS), 2020-2024 Low Rider S (FXLRS), 2022-2024 Low Rider ST (FXLRST) and 2022 Low Rider El Diablo (FXRST), 2018-2020 Low Rider (FXLR), Deluxe (FLDE) and 2019-2020 FXDR.

## Suggested Tools

Safety Glasses  
Small Phillips Screwdriver  
5/32" Allen Socket or T-Handle

## Installation

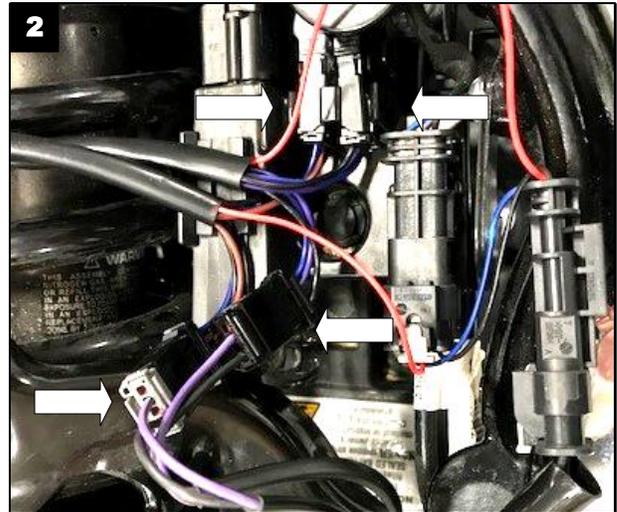
### Warning

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. Confirm the ignition switch is in the off position.
2. Remove the seat and locate rear lighting connectors to the rear fender as shown in **Figure 1**.
3. Plug the Smart Triple Play® module, into the rear lighting connectors shown in **Figure 1**. The Smart Triple Play® JAE turn signal connectors with the brown wire will connect to the black JAE connectors of the motorcycles wiring harness. The Smart Triple Play® JAE turn signal connectors with the violet wire will connect to the gray JAE connectors of the motorcycles wiring harness as shown in **Figure 2**.
4. Remove the left side cover and locate the motorcycles P&A connector as shown in **Figure 3**. Plug the P&A connector from the Smart Triple Play® into the motorcycles P&A connector.
5. Mount the Smart Triple Play® as shown in **Figure 4** . Secure with the supplied Cable Ties, keeping the wires from becoming cut, frayed or pinched.

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

## Installation Instructions Continued - 2



### Initial Setup and Operation

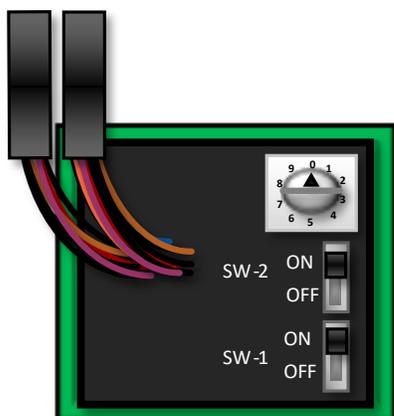
#### Important

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.

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 5**.
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.

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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

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.
  - Option 2** - To disable the run function and receive only brake and turn signal function on the rear turn signals (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 in in the 0 position.
- Disconnect the Smart Triple Play® P&A connector from motorcycles harness behind the left side cover.
- Turn ignition key on.
- Reconnect the Smart Triple Play® P&A connector 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.
  - Option 2** - To disable the run function and receive only brake and turn signal function on the rear turn signals (output brown and violet wires), turn the rotary dial to 9. Press and hold the brake for a couple seconds.

10. Turn ignition key OFF and set switches for desired strobe operation.

11. 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

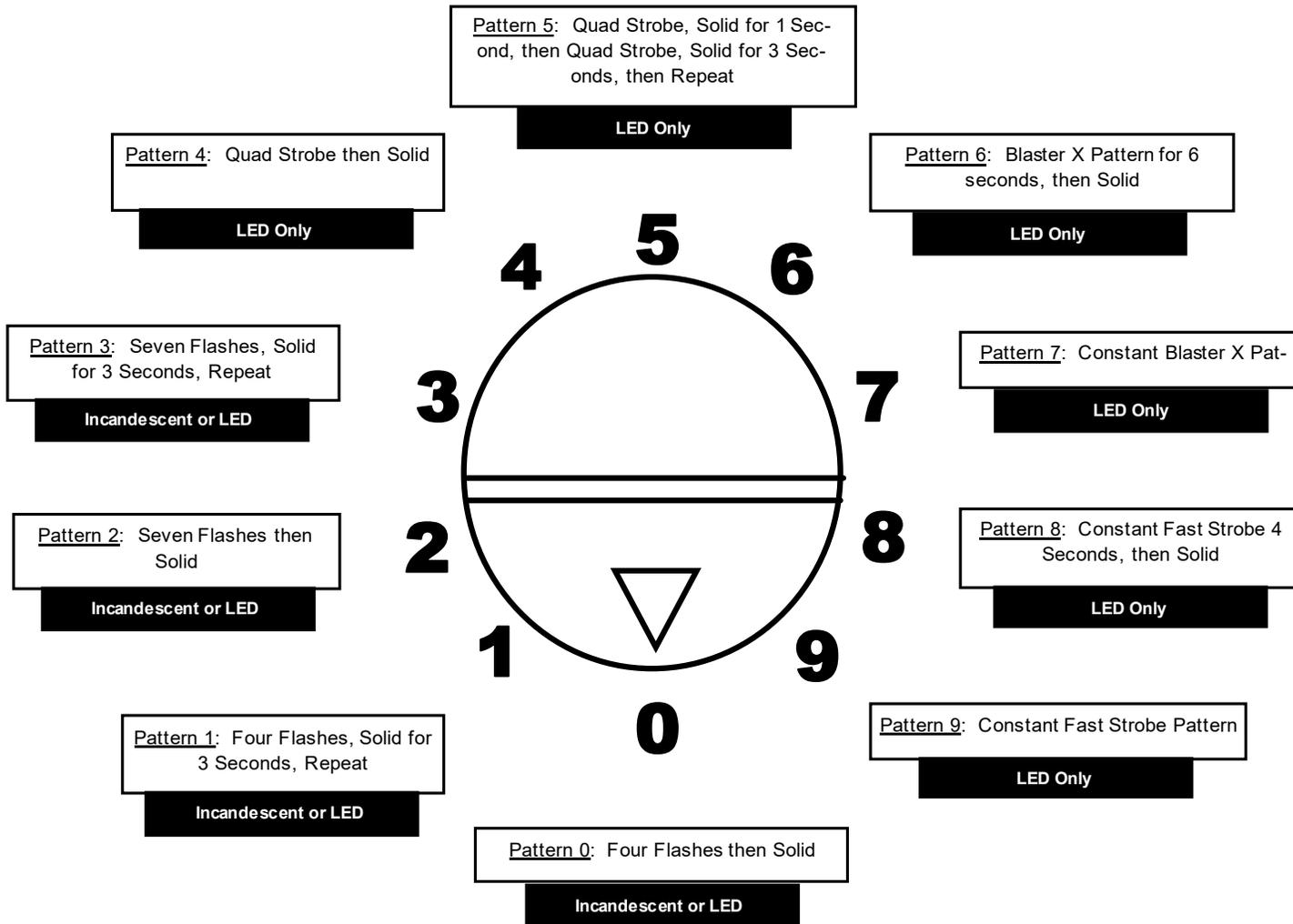
- Switch 1 On, Switch 2 On: Strobes/Flashes on all three Rear Lights.
- Switch 1 On, Switch 2 Off: Strobes/Flashes on rear turn signals only.
- Switch 1 Off, Switch 2 On: Strobes/Flashes on center light only.
- Switch 1 Off, Switch 2 Off: No Strobes/Flashes.

#### 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.