

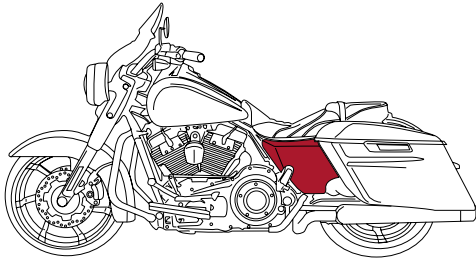
# VANCE HINES

## FP4

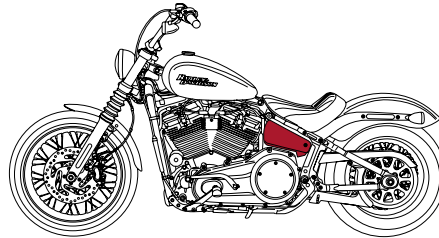
# INSTRUCTIONS

INCLUDES iOS & ANDROID INSTRUCTIONS

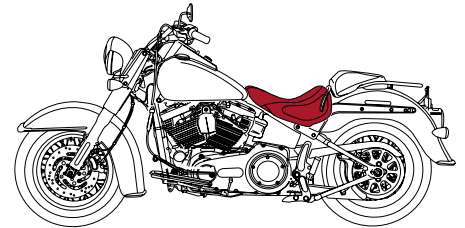
### DOWNLOAD THE FP4 TUNER APP NOW!



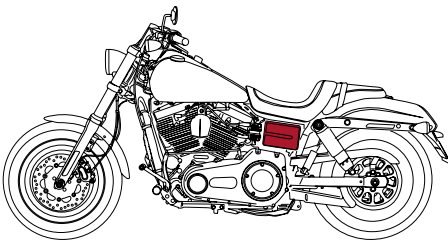
'08-'23 Touring Models connector location is under the left hand side electrical cover. ('07 is under right hand side cover)



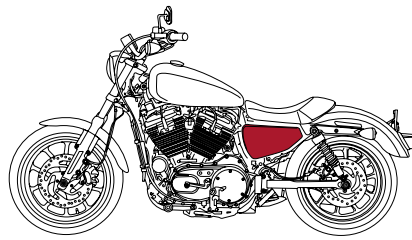
'18-'23 Softail Models connector location is under the left hand side electrical cover.



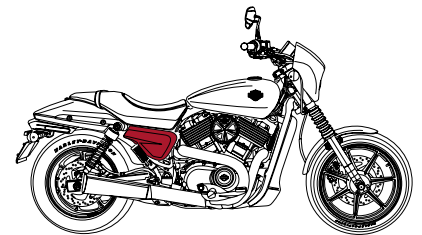
'07-'17 Softail Models connector location is under the seat.



'07-'17 Dyna Models connector location is under the left hand side electrical cover.



'07-'22 Sportster Models connector location is under the left hand side electrical cover.



'15-'20 Street Models connector location is under the right hand side electrical cover.

## 1 Flashing a Map

1. Locate the data port (red or gray) connector and plug in the FP4.
2. Download the FP4 app from either the Google Play store or the Apple App Store.
3. Put the Ignition Key to the IGNITION position and Engine Off/Run switch to RUN. (note: The engine should not be running at this time.)
4. Open the FP4 app.
5. Press the Fuelpak button and connect to the unit labeled VHFP4-XXXXXX, where the X's correspond to the last 6 digits of the VIN.
6. Select Map Lookup
7. From the pull down menu, Select the Exhaust Manufacturer, Exhaust System, Baffle, and Engine Displacement. All maps are based on using a high flow air cleaner.
8. Press Flash.
9. Press the Continue button once you've read the general warning.
10. The dyno-tuned map will now flash into the vehicle.
11. When prompted by the FP4 app, turn off the vehicle. An on-screen timer will begin to count down once the vehicle is powered off.
12. When prompted by the FP4 app, turn the vehicle on.
13. The vehicle is now flashed with the FP4.

## 2 Map Optimizations

1. Compliant map adjustments are located under Map Optimizations on the Main Menu.
2. To modify the values:
  - a. Press the optimization button
  - b. Manually change the tables(i.e. Rev Limit, Throttle Progressivity, and any other compliant tables available)
3. Once changes are made. Tap lightening bolt on top right to flash the changes to the bike.

## 3 AutoTune

1. On the Main Menu, press the AutoTune button.
2. Read the disclaimer and press Continue.
3. Select a Base Map from the list.
4. Select Quick Setup.
5. Press the Continue button.
6. Follow the on-screen prompts to cycle your ignition after the AutoTune initialization process is complete.
7. Take the bike out and ride it for 2-3 sessions of 20-30 minutes a piece, filling out the table as best as possible.
8. After sessions 1 & 2, press the Apply Values button.
9. Press the Apply button, and follow the on-screen prompts.
10. After the 3rd session, press the Apply Values button, then the Finish button, press Continue, then follow the on-screen prompts.

## 4 Clearing Trouble Codes

1. On the Main Menu, select Maintenance.
2. Select Trouble Codes.
3. To read the trouble codes press the Read button.
4. To clear the trouble codes press the Clear Codes button.

## 5 Service Intervals

1. On the Main Menu, select Maintenance.
2. Select Service Intervals.
3. Press the button you'd like to configure.
4. Enter the label information for the service tracker, press the Reset button, then hit the Checkmark button.

## 6 Live Sensor Data

1. From anywhere in the app, press the Sensor button on the lower navigation bar.
2. Press any live sensor data display to bring up the click wheel, which has all available sensors.
3. To select a sensor, rotate the click wheel then press the center of the wheel to confirm.
4. The selected sensor will now be displayed on the portion of the live data screen configured.

## 7 Support Menu

1. From anywhere in the app, press the Support button on the lower navigation bar.
2. Once in the Support Menu, there will be the following features:
  - a. Videos - Will allow you to watch instructional FP4 videos.
  - b. Updates - Will check for and install necessary firmware updates.
  - c. Upload ECU - sends your currently flashed map to our FP4 server.
  - d. Download Map - Downloads and flashes a new map from our support team's FP4 server.
  - e. User Info - Update your personal user info.
  - f. Contact - Contact our FP4 support team through email or phone.
  - g. ECU Recovery - In the event you flash a bike and it doesn't start afterward, press this button to restore the ECU back to stock configuration.

## 8 System Info

1. From anywhere in the app, press the Info button on the lower navigation bar.
2. This will display the VIN, ECU Version, Calibration ID, whether or not the FP4 is linked to that bike, app version, year and model of the bike, and other information that may be requested by our support team.

PART NUMBER 66043	
MODEL YEAR	FAMILY
2021-2023	Touring
2021-2023	Softail
PART NUMBER 66045	
MODEL YEAR	FAMILY
2014-2020	Touring
2011-2020	Softail
2012-2017	Dyna
2014-2022	Sportster
2015-2020	Street
PART NUMBER 66047	
MODEL YEAR	FAMILY
2007-2013	Touring*
2007-2012	Softail*
2007-2011	Dyna*
2007-2013	Sportster

\*Not compatible with 2007-2008 CVO Touring, 2007-2013 CVO Softail/Dyna



**66043**  
Red 6-pin CAN bus  
(Most 2021-2023 models)

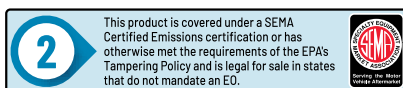


**66045**  
Gray 6-pin CAN bus  
(most 2014-2020 models)



**66047**  
Red 4-pin J1850 bus  
(most 2007-2013 models)

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