



# INSTRUCTIONS

-J03513

REV. 4-04-05

Kit Numbers 31784-04A, 31785-04A, 31760-04A, 31763-04A, and 31765-04A

## SCREAMIN' EAGLE STREET LEGAL IGNITION SYSTEM

### General

These kits replace the original-equipment ignition module on the following carbureted model motorcycles:

Kit Number 31784-04A fits 2004 and later XL 883.

Kit Number 31785-04A fits 2004 and later XL 1200.

Kit Number 31760-04A fits 2004 and later Dyna models.

Kit Number 31763-04A fits 2004 and later Softail models.

Kit Number 31765-04A fits 2004 and later Touring models.

#### NOTE

A Service Manual for your motorcycle is available from any Harley-Davidson Dealer.

#### WARNING

The rider's safety depends upon the correct installation of this kit. If the procedure is not within your capabilities or you do not have the correct tools, have a Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury. (00308a)

#### CAUTION

Do not install these ignition components on any model other than those specified above. Doing so may result in adverse engine operation and/or damage to vehicle electrical and engine components.

#### CAUTION

This Screamin' Eagle ignition system will allow the engine to rev up to 6200 or 7000 rpm. It is extremely important that the rider use the tachometer and avoid harmful over-revving. Engine-Related Performance Parts are intended for the experienced rider only.

#### NOTE

The product information label contained in this kit is required in the state of California only. This label is required to aid in passing the California Smog Check Program. Place the information label on the right side of the frame directly beneath the VIN sticker. Do not place the label over other product information labels. Do not place the label on motorcycles other than those specified in this instruction sheet.

#### NOTE

Faulty ignition control module operation may result from wiring harness problems. If this Screamin' Eagle ignition system malfunctions, inspect the motorcycle's wiring harness to determine if it is faulty. If the existing wiring harness is faulty, repair or replace it before installing the new ignition control module.

### Installation

#### WARNING

To prevent accidental vehicle start-up, which could cause death or serious injury, disconnect battery cables (negative (-) cable first) before proceeding. (00307a)

#### WARNING

Disconnect negative (-) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury. (00049a)

1. Refer to the Owners Manual and follow the instructions given to remove the seat and disconnect battery cables, negative cable first.
2. Locate and gain access to existing ignition control module.

#### Models

Dyna Glide

FLHT/FLT

Softail

Sportster

#### Ignition Control Module Location

On back side of electrical panel

(left side of motorcycle)

Behind right side cover

Directly under seat

Directly under seat

3. Unplug ignition control module, remove module, and save mounting fasteners.
4. Plug in new module and secure module in place with original mounting fasteners.

#### WARNING

Connect positive (+) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury. (00068a)

5. Reconnect battery cables, positive cable first.
6. Refer to the Owners Manual, and follow instructions to install the seat.

#### WARNING

After installing seat, pull upward on front of seat to be sure it is in locked position. While riding, a loose seat can shift causing loss of control, which could result in death or serious injury. (00070a)

7. Perform "Password-Learn" procedure.

## Setting TSM/TSSM and ECM/ICM Password

NO.	ACTION	CONFIRMATION	NOTES
	Ignition must be turned off for at least 15 seconds.	With ignition turned off, Check Engine Lamp and Security Lamp will be off.	
1	Install <b>new</b> TSM/TSSM or ECM/ICM. Perform all steps under 3.3 TSM/TSSM VEHICLE DELIVERY/SETUP.		
2	SET <b>RUN/OFF</b> SWITCH TO <b>RUN</b> .		
3	Turn <b>IGN</b> key <b>ON</b> .	Verify Check Engine Lamp and Security Lamp illuminate and then turn off.	TSM/TSSM enables starter relay.
4	Attempt normal start <b>one</b> time.	Carbureted models: Engine starts and stalls. Check Engine Lamp performs 4 seconds on, 4 seconds off, 8 seconds on, off sequence. EFI models: Engine starts and stalls. Check Engine Lamp illuminates and stays on.	Password has not been learned. ECM/ICM sets DTC P1009.
5	Wait ten seconds. Security lamp will illuminate and stay on.	Security Lamp illuminates.	ECM/ICM enters Password Learning mode for ten minutes. Do not cycle ignition switch or interrupt vehicle power or Password Learn will be unsuccessful.
6	Wait until Security Lamp turns off.		This takes ten minutes.
7	Quickly (within two seconds) turn <b>IGN</b> key <b>OFF-ON</b> .		ECM/ICM must not be allowed to shutdown.
8	Wait until Security Lamp turns off.		This takes ten minutes.
9	Quickly (within two seconds) turn <b>IGN</b> key <b>OFF-ON</b> .		ECM/ICM must not be allowed to shutdown.
10	Wait until Security Lamp turns off.		This takes ten minutes.
11	Quickly (within two seconds) turn <b>IGN</b> key <b>OFF-ON</b> .		ECM/ICM must not be allowed to shutdown.
12	Turn <b>IGN</b> key <b>OFF</b> . <b>Wait 15 seconds before turning IGN on</b> . Turn <b>IGN</b> switch <b>ON</b> and start engine to confirm successful Password Learn procedure. Clear trouble codes.		
13	Perform all steps under 3.3 TSM/TSSM VEHICLE DELIVERY/SETUP.		