INSTRUCTIONS

-J01505 REV. 11-18-99

Kit Numbers 31713-99, 31714-99, 31715-99, 32724-99, 32725-99 and 32728-99

SCREAMIN' EAGLE TWIN CAM 88 RACE IGNITION SYSTEM

General

CAUTION

This Screamin' Eagle ignition system is intended for high-performance applications only. This engine-related performance part is not legal for use on pollution-controlled motor vehicles. Use of this Screamin' Eagle ignition system may reduce or void the Limited Warranty coverage.

This ignition system (which contains a matched ignition module and coil) is designed for replacement of the original equipment ignition module and coil on the following 1999 and later models:

Race Kit Numbers	***Model***
31713-99, 31714-99, 31715-99	Dyna Glide
32724-99, 32725-99, 32728-99	FLHT/FLT carbureted

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.

NOTE

1999 Dyna and FLT (Touring) models require installation of splined sprocket gear kit H-D P/N 25446-99 in conjunction with splined performance cams for use with this kit.

CAUTION

The ignition module and coil that make up this Race Ignition System are matched components, designed to ensure compatibility. Using ignition module separately may result in adverse engine operation and/or damage to vehicle electrical and engine components.

Twin Cam 88 Race Calibration Applications

	Stock Engine	**Non-stock cam and up to 10.2:1 compression**
Race Ignition (7000 rpm)	**NO**	**YES**

CAUTION

This ignition has retarded timing to allow use of higher than stock compression. This retarded timing can result in a loss of power and high exhaust gas temperatures when used on stock engines.

CAUTION

This Screamin' Eagle ignition system will allow the engine to rev up to 7000 rpm (Race Part Nos 31713-99, 31714-99, 31715-99, 32724-99, 32725-99 or 32728-99). 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. An adjustable rev limiter may be installed for added assurance. See your Harley-Davidson dealer for product recommendation.

Kit Contents:

QTY	**DESCRIPTION**	**Part No.**
1	Screamin' Eagle Ignition Module (All)	32720-99
1	Screamin' Eagle Ignition Coil (Dyna models)	
	(Black)	31704-99
	(Red)	31705-99
	(Orange)	31706-99
1	Screamin' Eagle Ignition Coil (FLH/FLT models)	
	(Black)	31707-99
	(Red)	31708-99
	(Orange)	31709-99

CAUTION

Faulty ignition module operation may result from wiring harness problems. If this Screamin' Eagle ignition system malfunction exists, 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 module.

CAUTION

Ignition modules being replaced under warranty must be submitted with all wire terminals intact (warranty claims will be rejected for modules submitted with wires cut and/or terminals removed). Regardless of warranty considerations, do not splice the wires of the new ignition modules to the wires of the original module's wiring harness or product damage may occur.

Installation

⚠WARNING

To avoid accidental start-up of vehicle and possible personal injury, disconnect the battery cables before proceeding. Always disconnect the negative cable first. If the positive cable should contact ground with the negative cable installed, the resulting sparks may cause a battery explosion resulting in death or serious injury.

NOTE

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

1. Disconnect battery, negative cable first.
2. Locate and gain access to existing ignition module.

Model	Ignition Module Location
Dyna	On back side of electrical panel (left side of motorcycle)
FLHT, FLT	Behind right side cover

3. Unplug ignition module, remove module, and save mounting fasteners.
4. Plug in new module and secure module in place with original mounting fasteners.
5. Disconnect spark plug cables from coil towers, noting their positions for reinstallation on new coil.
6. Making note of wiring positions, disconnect and remove existing ignition coil. Save mounting fasteners.
7. Install new coil using original mounting fasteners and connect coil.

⚠WARNING

Always connect the positive battery cable first. If the positive cable should contact ground with the negative cable installed, the resulting sparks may cause a battery explosion resulting in death or serious injury.

8. Reconnect battery cables, positive cable first.
9. Check engine timing according to procedures in applicable Service Manual.