



# INSTRUCTIONS

-J01300

REV. 6-1-98

Kit Numbers 32737-98, 32738-98, 32739-98

## SCREAMIN' EAGLE XL1200S 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 1998 and later XL1200S models.

Kit Number	Contents
32737-98 (black)	<ul style="list-style-type: none"> <li>• Module (P.N. 32982-98)</li> <li>• Coil (P.N. 31698-98)</li> </ul>
32738-98 (red)	<ul style="list-style-type: none"> <li>• Module (P.N. 32982-98)</li> <li>• Coil (P.N. 31699-98)</li> </ul>
32739-98 (orange)	<ul style="list-style-type: none"> <li>• Module (P.N. 32982-98)</li> <li>• Coil (P.N. 31700-98)</li> </ul>

#### ⚠CAUTION

The ignition module and coil that make up this race ignition system are matched components, designed to ensure compatibility. Using either of these components separately may result in adverse engine operation and/or damage to vehicle electrical and engine components.

#### ⚠CAUTION

Do not install this ignition system 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 7500 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. An adjustable rev limiter may be installed for added assurance. See your Harley-Davidson dealer for product recommendation.

#### Kit Contents:

QTY	DESCRIPTION
1	Screamin' Eagle Ignition Module
1	Screamin' Eagle Ignition Coil

#### NOTE

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.

#### NOTE

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.

### 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 personal injury.

#### NOTE

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

1. Disconnect battery, negative cable first.
2. See Figure 1. Remove seat and locate ignition module.
3. Remove the two nuts that hold the ignition module in place.
4. Unplug the two module connectors and remove module.
5. Plug in new module and secure module in place with nuts removed in step 3. Tighten nuts to 15-21 in-lbs (1.7-2.4 Nm).
6. Disconnect spark plug cables from coil towers, noting their positions for reinstallation on new coil.

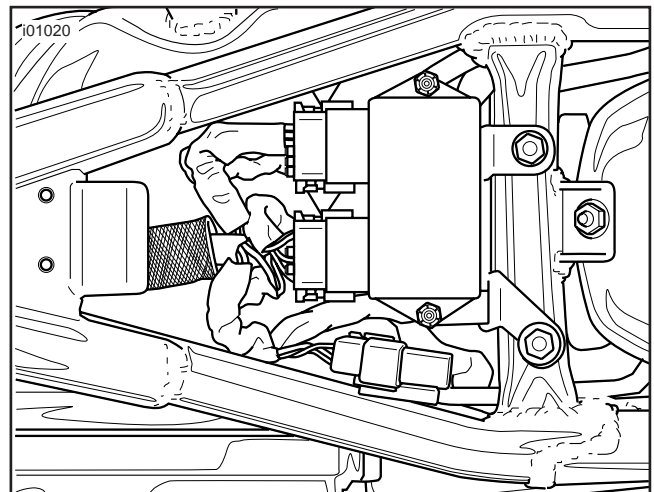


Figure 1. Ignition Module

**NOTE**

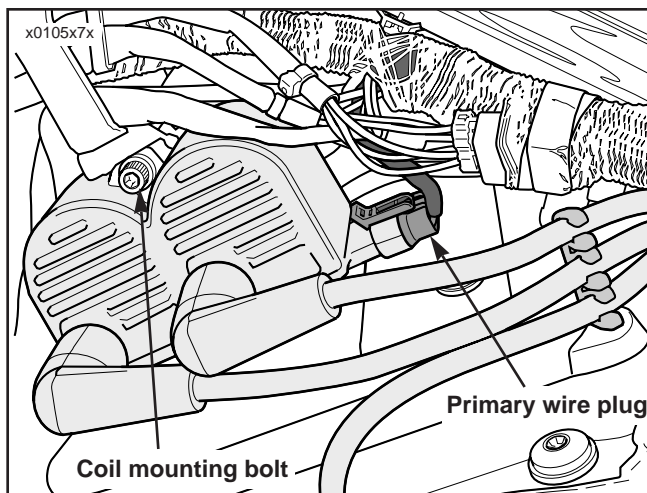
The spark plug cables have numbers printed on them that correspond to numbers adjacent to the coil towers on the coil.

7. See Figure 2. Making note of wiring positions, disconnect primary wire plug from back of coil by gently prying up latch and pulling connector rearward.
8. Remove mounting bolt and remove existing ignition coil.
9. Install new coil with mounting bolt removed in previous step. Tighten bolt to 2-6 ft-lbs (3-8 Nm).
10. Plug in primary wire connector into back of coil.
11. Connect spark plug cables to new ignition 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 personal injury.

12. Reconnect battery cables, positive cable first.
13. Check engine timing according to procedures in applicable XLH Service Manual.



**Figure 2. XL1200S Coil**