



# INSTRUCTIONS

SEE BELOW

REV. 8-93

## IGNITION MODULE

### General

This instruction sheet pertains to the following kit numbers:

32405-91A  
32410-91A  
32419-91A  
32432-91A  
32436-91A

This ignition module is designed for replacement of the original equipment ignition module on specific Harley-Davidson motorcycle models with electronic ignition. Depending on the particular part number, this module may be installed on the following models, respectively:

PART NO.	MODEL APPLICATION
32405-91A	1984 and Later FXR/FX/Softail and 1984 - 1993 FLT 1340cc Evolution engine (except Police)
32410-91A	1986 - 1993 XLH 883cc Evolution engine; 1986 - 1987 XLH 1100cc Evolution engine
32419-91A	1984 and Later FXRP Police 1340cc Evolution engine
32432-91A	1988 - 1990 XLH 1200cc Evolution engine
32436-91A	1983 - 1985 XLH 1000cc

### CAUTION

Do not install this ignition module 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.

QTY	DESCRIPTION
1	Module, engine

See Figure 1. All ignition modules, for the above model applications, contain seven color-coded wire leads. Original equipment ignition modules, on 1983 - 1990 model year motorcycles have these seven wire leads grouped into four separate wiring harness branches of different lengths, with each wire terminating in either a pin type, a socket type, a ring type, or a spade type terminal. Original equipment ignition modules, on 1991 and later model year motorcycles, have these seven wire leads grouped into a single six-inch long "pigtail" wiring harness, which terminates in a seven-socket connector. The ignition module in this package is of the new style (1991 and later).

When replacing the ignition module on 1991 and later model year vehicles (and on 1983 - 1990 model year vehicles in which a new style ignition module has been previously

installed), the seven-socket connector of the new ignition module will simply plug into the seven-pin connector of the motorcycle's existing wiring harness.

### NOTE

*Faulty ignition module operation may result from wiring harness problems, in which case the installation of this new module (which connects to the existing wiring harness seven-socket connector) may not correct the ignition system malfunction. You will need to repair or replace the existing wiring harness if the harness is determined to be faulty.*

When replacing the original equipment ignition module on 1983 - 1990 model year vehicles, however, a new adapter wiring harness must also be installed to allow plug-in connection with the new ignition module. See your Harley-Davidson dealer regarding availability of Ignition Module Adapter Wiring Harness Kit (Part No. 32408-90).

### NOTE

*Ignition modules being replaced under warranty must be submitted with all wires and 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 module to the wires of the original module's wiring harness.*

### Installation

### WARNING

To avoid accidental start-up of vehicle and possible personal injury, disconnect battery cables from battery (negative cable first) before performing any of the following procedures.

1. Locate and gain access to existing ignition module using the following information:

MODEL	IGNITION MODULE LOCATION
FLT	Left side of fairing mount bracket
FLHT	Left side of steering head
FXR/FXRP	Behind right frame side cover
FX/Softail 1984-85	Behind regulator at front of frame
FX/Softail 1986-88	Under oil tank
Softail 1989 and Later	On frame member above oil tank
XLH	Behind left frame side cover

2. See Figure 1. For 1983 - 1990 model year vehicles with original equipment (early style) ignition modules, proceed to Step 4. For 1991 and later model year vehicles (and for 1983 - 1990 model year vehicles in which a new style ignition module has been previously installed), proceed to Step 3.

3. Disconnect seven socket connector of existing module from seven-pin connector of wiring harness. Remove and save ignition module mounting fasteners; remove existing ignition module. Proceed to Step 6.
4. Take note of the routing of original module wire leads. Disconnect all ignition module wire leads at terminals (see Figure 2 for terminal locations). Remove and save ignition module fasteners; remove original ignition module.
5. Install Ignition Module Adapter Wiring Harness Kit (Part No. 32408-90) according to instructions included with that kit.
6. Install new ignition module with original mounting fasteners. Connect seven-socket connector of new module to seven-pin connector of wiring harness.
7. Install any components or covers which may have been removed to gain access to ignition module. Connect battery cable to battery (positive cable first).

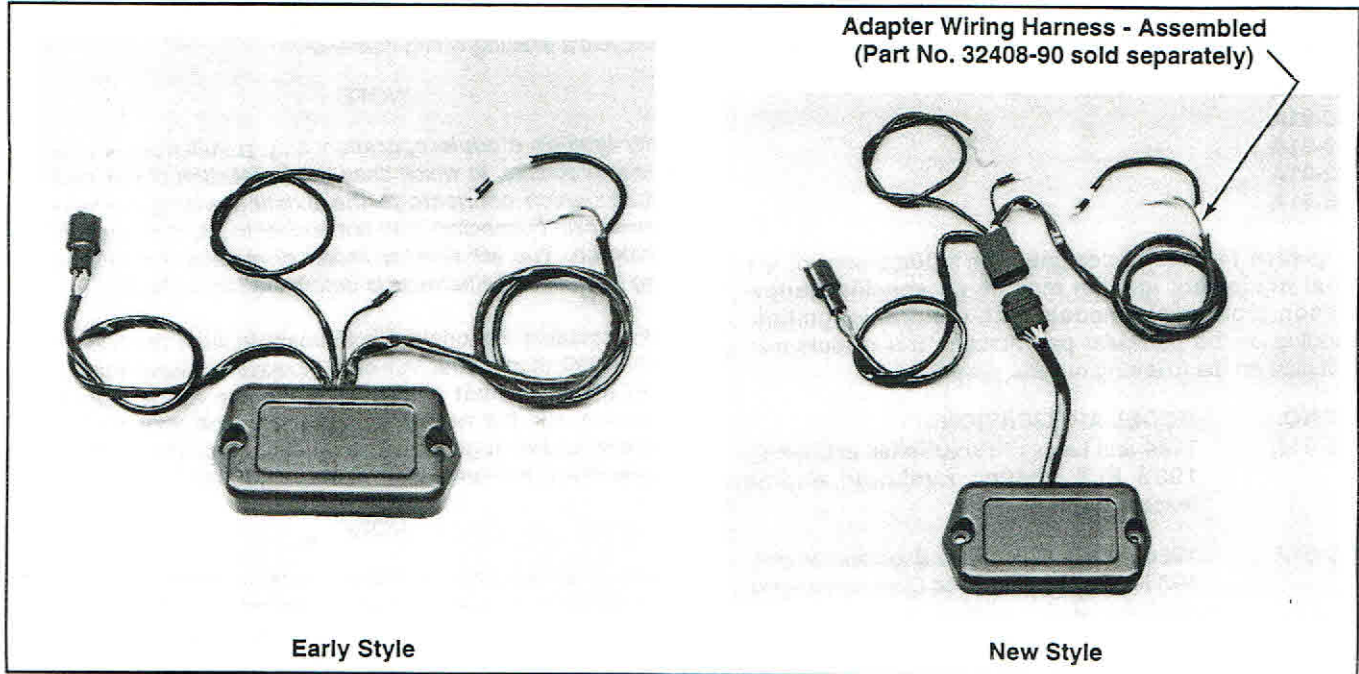


Figure 1. Early Style (1983-1990) and New Style (1991 and Later) Ignition Module

1983-1990 Original Module Wire Color Code	Wire Terminal Location
Blue	Ignition coil negative (-)
White	Ignition coil positive (+)
Black	Ignition sensor plate connector
Black	Ground to battery and/or frame
Violet	Vacuum-operated electric switch (V.O.E.S.)
Green	Ignition sensor plate connector
Red	Ignition sensor plate connector

Figure 2. 1983 - 1990 Original Ignition Module Wire Terminal Locations