



INSTRUCTIONS

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2013-11-01

IGNITION MODULE

GENERAL

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:

Kit Number

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

32436-91B - XL 1000

Additional Parts Required

Adapter wiring harness (Part Number 32408-90) for 1991 and later models.

NOTE

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.

DESCRIPTION - ENGINE MODULE

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 Number 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.

▲ WARNING

Rider and passenger safety depend upon the correct installation of this kit. Use the appropriate service manual procedures. 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. (00333b)

NOTE

This instruction sheet refers to service manual information. A service manual for this year/model motorcycle is required for this installation and is available from a Harley-Davidson dealer.

There are no Service Parts available with this kit.

INSTALLATION

▲ WARNING

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

1. Locate and gain access to existing ignition module using the following information:
2. On 1991 and later model year vehicles (and for 1983-1990 model year vehicles in which a new style ignition module has been previously installed). See Figure 1. 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.
3. On 1983-1990 model year vehicles with original equipment (early style) ignition modules. See Figure 1. Take note of the routing of original module wire leads. Disconnect all ignition module wire leads at terminals (see Table 2 for terminal locations). Remove and save ignition module fasteners; remove original ignition module.

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4. Install Ignition Module Adapter Wiring Harness Kit (Part Number 32408-90) according to instructions included with that kit.
5. Install new ignition module with original mounting fasteners. Connect seven-socket connector of new module to seven-pin connector of wiring harness.
6. Install any components or covers which may have been removed to gain access to ignition module. Connect battery cable to battery (positive cable first).

Table 1. Ignition Module Location

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

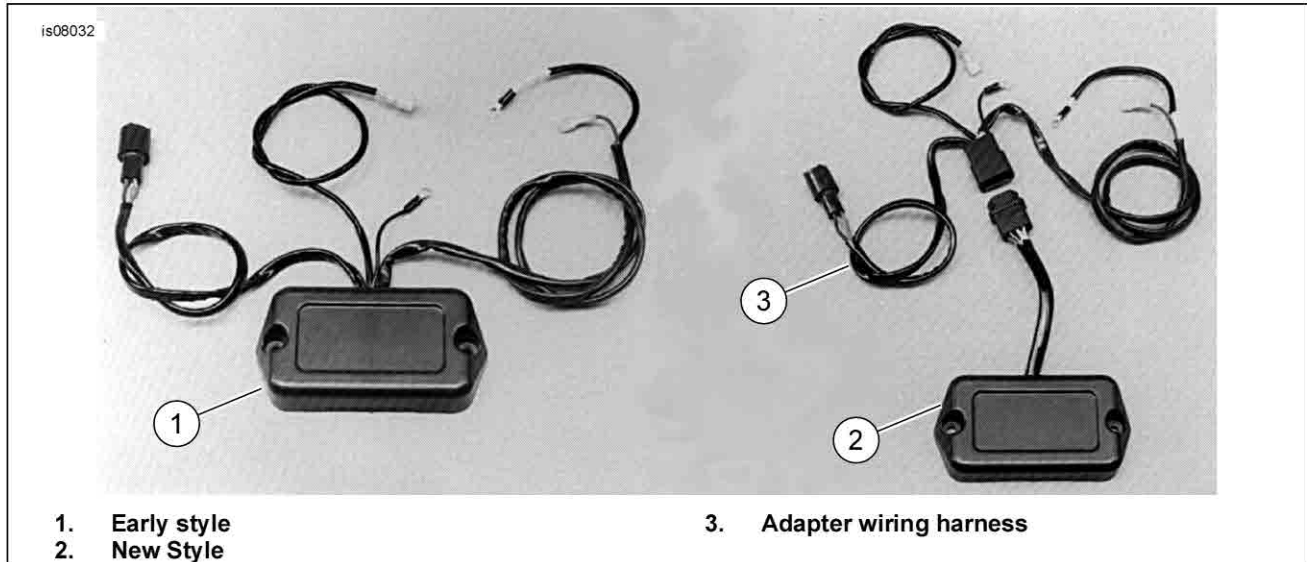


Figure 1. Early Style (1983-1990) and New Style (1991 and Later) Ignition Module

Table 2. Wire Terminal Location

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