



# INSTRUCTIONS

-J00162

REV. 9-14-01

Kit Number 49007-90A

## ENGINE GUARD KIT

### General

This kit fits 1991 and later Dyna Glide models except Dyna models equipped with forward controls, 1993 and later FXDWG, 1994 and later FXDS Dyna Convertible models.

#### WARNING

**This engine guard may provide limited leg and cosmetic vehicle protection under unique circumstances (fall over while stopped, very slow-speed slide.) It is neither made nor intended to provide protection from bodily injury in a collision with another vehicle or any other object.**

*Kit contents:*

Qty	Description
1	Bolt, hex 3/8-16 x 1 in.
1	Guard assembly, engine
5	Lockwasher, helical 3/8 in. I.D.
1	Nut, hex 3/8-16
4	Screw, socket-head tapping, 3/8-16 x 1 1/4 in.
1	Washer, flat 3/8 x 7/8 x 5/64 in.

#### WARNING

**A Service Manual is required to install this kit. 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 your Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury.**

#### NOTE

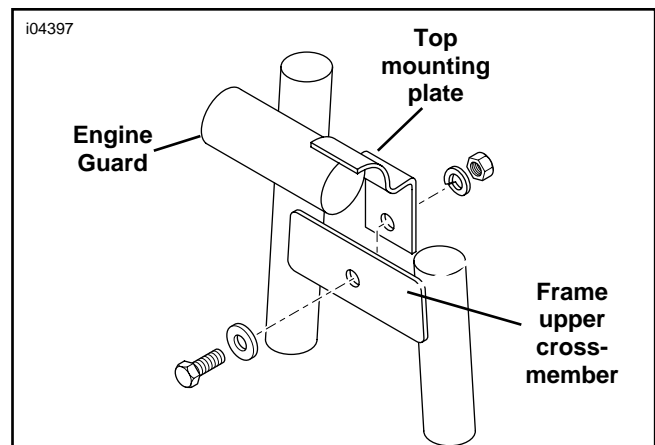
*A Service Manual for your motorcycle model is available from your Harley-Davidson dealer.*

### Installation

#### CAUTION

**The slider tubes on the front forks of some motorcycles may require adjustment to prevent the front fender from contacting the engine guard at full fork compression.**

1. Check that the top of tube cap on each front-fork slider tube is positioned 0.42 – 0.50 in. (10.7 – 12.7 mm) above the top surface of the fork upper basket. Adjust slider tube position if necessary. See the FRONT FORKS section of your service manual.
2. Remove the highway footpegs and side plates. Retain the footpegs and mounting hardware, including footpeg supports. Discard the side plates and plate-mounting hardware.
3. See Figure 1. Position the engine-guard top mounting plate on the engine-side of the frame upper crossmember. Fasten the guard to the frame using the hardware from this kit as shown. Do not tighten at this time.
4. On each side of the engine guard, insert two socket-head tapping screws with lockwashers from this kit through the two lower mounting holes in the engine-guard lower side plates and into the threaded holes in the frame lower-side bracket.
5. Torque the mounting hardware in steps 2 and 3 to 33 ft-lbs (44.7 Nm).



**Figure 1: Engine Guard Mounting to Frame Upper Crossmember**

**WARNING**

The footrests must fold upward at a 45-degree angle toward the rear of the motorcycle. This angle allows the footrests to fold up if, by accident, either strikes the ground when making a sharp turn. Failure to set the footpegs to the proper fold-up angle could result in death or serious injury.

6. Fasten the original highway footpeg and mounting hardware, including footpeg supports, to the front-upper hole in each engine-guard lower side plate. Torque the footpeg support nut on each side to 47 ft-lbs. (63.7 Nm).

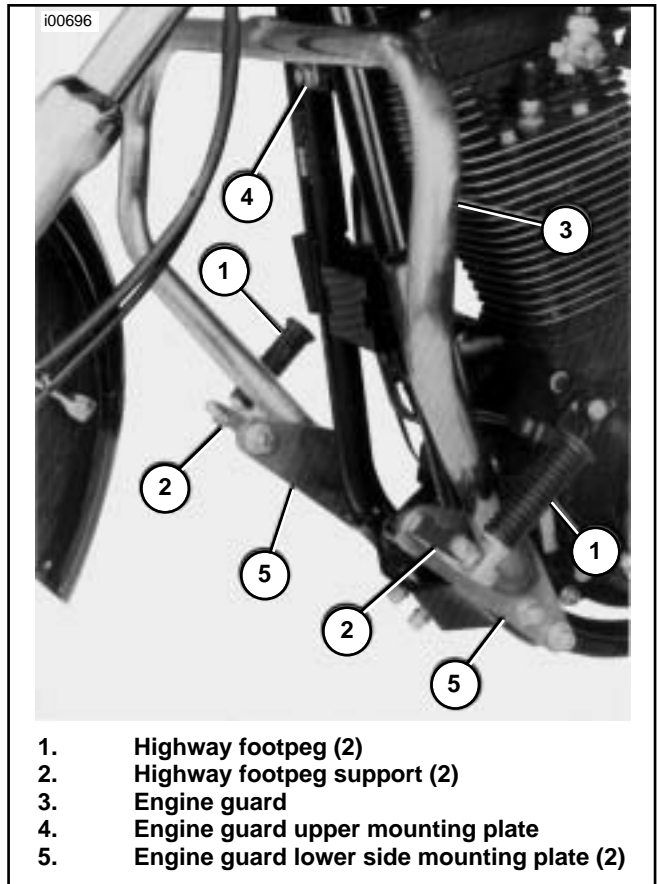


Figure 2: Engine Guard and Footpegs Installed